

Vision · Passion · Action



2011 Quanta

Corporate Social Responsibility Annual Report

One Laptop Per Child (OLPC) : Rugged, Low Cost, Low Power, Connected
Had provided XO laptops to over 2 million children around the world

Quanta Computer

Quanta opens up the windows for the Third World children.

Looking to the future, Quanta will also gradually transform into a solution provider that integrates software and hardware as well as introduce the value of innovation to the society of mankind!



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Corporate Social Responsibility Annual Report

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About the Report

It has been almost one year since the Quanta Computer's announcement of its "2010 Corporate Social Responsibility Report". For the past year, there were a lot of changes within the electronic industry for CSR management. Besides traditional issues such as heavy metal pollution, water-saving, energy-saving and carbon reduction. The industry placed more emphasis on conflict minerals and in-depth labor rights.

Electronic Industry Citizenship Coalition (www.eicc.info) as well had adapted itself for more feasible and comprehensive CSR management. As one of its Full Member, Quanta Computer continues to reinforce and improve its corporate social responsibility management, where it also actively participated in EICC's events while developing various forms of training of the related content, and further attempted to develop supplier social responsibility management, so as to convey the social responsibility awareness to the downstream suppliers.



As always, a significant amount of attention and expectation are placed on Quanta Computer from the investors, customers, fellow workers, suppliers, local communities and local government. Quanta Computer also persists on the principle of openness and transparency, and continues to communicate the company's corporate social responsibility strategy, action plans, execution progress and management performance through different approaches and channels, hoping to offer a clearer, all-encompassing and convenient channel for

obtaining information for those who placed attention on Quanta.

With the attention and support from senior supervisors, we had managed organizing the 2011 Corporate Social Responsibility Report via the endeavors of many divisions and personnel in the company. This report includes information on numerous companies, including Quanta Taiwan (QRDC: Quanta Research & Development Center), Quanta Shanghai Manufacturing City (QSMC), and Quanta Changshu Manufacturing City (CSMC) and Quanta Chongqing Manufacturing City (QCMC) with the timeframe of the major content crossing from January 1st of 2011 to December 31st of 2011, which still contains some mid and long term projects.

The framework of the report is based on the version G3.1 of Sustainability Reporting Guidelines announced by the Global Reporting Initiative (GRI), disclosing indicators conforming to grade B defined by GRI (please refer to the attached comparison table at the end of this report for the specific disclosing indicators). The report is written in Traditional Chinese and English, and announced via electronic media on "Company Information" section on the company's website www.quantatw.com, in accordance to the environmental protection principle.

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Message from Chairman & Vice Chairman



Barry Lam

Quanta Computer has officially become a member of the Electronic Industry Citizenship Coalition (EICC) since 2006. Has actively and continuously played a key role in the electronic industry global supply chain to fulfill corporate social responsibilities in line with labor, health and safety, environmental responsibility, management system, and business ethics. Quanta's green technology key strategies include:

- < Keeping up with the direction of international negotiations and category standards for new regulations.
- < Paying close attention to the development of governing regulations including Greenhouse Gas Reduction, Renewal Energy Development Act, Energy Tax, and carbon emissions monitoring indicators.
- < Developing Cloud Computing, Connectivity, Client device, school and enterprise's computer remote effects as well as promoting low-energy consumption.
- < Enhancing carbon information disclosure or carbon footprint certification to help customers comply with international norms and promote low-carbon plan for the whole supply chain and production.
- < Researching and developing green technology products continuously and utilizing green renewable energy.
- < Enhancing earnestly the environmental awareness of all staff to realize energy-saving and carbon-reduction practices.
- < Promoting energy education comprehensively.
- < Broadening the application of GRI-G3.1 international standards.

In 2011, Quanta braved the challenge of ODM's narrow profit margin on the one hand, and embraced the evolution of cloud IT technology on the other, which in turn generated growth in the cloud-related business. We are attempting to take up a considerable position in the global cloud supply chain!

In order to breakaway from ODM thinking and encourage innovation, we must create an innovative business model, acquire new knowledge and understand that users are the key! Taking Quanta's emphasis on life and health as an example, when faced with the modern habits of exquisite dining, an aging society and the threats of hypertension, hyperglycemia, hyperlipidemia and chronic diseases, what are the opportunities for the entire Quanta system in terms of home care and prevention? How do Quanta employees understand the industry chain and provide a different experience?

Looking ahead, software and cloud services will significantly transform the existing high-tech industry. For Quanta's new 3C (Cloud computing, Connectivity, Client device), in addition to technological innovation, the spirit of innovation, creativity and entrepreneurship will be used to develop 3S (System, Software, Solution/Service) through the Quanta Elite School.

It is Quanta's intention to gradually transform into a solution provider that integrates software and hardware. Through diverse integration, we will grasp the dynamics of the consumers in order to allow Quanta and the electronics technology industry benefit people, as well as introduce the value of innovation to the society of mankind!



C.C. Leung

Quanta CSR commitment

As an official EICC full member, it is the responsibility for Quanta Computer to comply with the announced EICC code of conduct in the process of product design, product manufacture, product sales, and the provisions of after-sales services to customers.

I . Compliance with Corporate Social Responsibility

- < Create sustainable value to the company. Upgrade the stakeholders' rights and interests.
- < Ensure good corporate governance. Adhere to laws and regulations.
- < Get involved actively and encourage employees to participate in cultural, public welfare, environmental protection, and energy saving activities.
- < Manufacture green products to reduce impact on the environment.
- < Devote ourselves to green research and development. Protect the global environment.

Quanta CSR commitment

- < No use of child labor, and does not accept its suppliers or subcontractors to use child labor.
- < Respect employee's freedom, prohibit any forms of forced labor, and does not accept its suppliers or subcontractors to use forced labor.
- < Provide safe and healthy work and living conditions, ensure employees' safety and health.
- < Promote cooperation between the labor and capital, respect employees' opinions.
- < Provide equal and fair working environments, and prohibit any forms of discrimination.
- < Respect employees' basic human rights, and prohibit any forms of insulting behavior.
- < Arrange production schedule, employee's working time and rest time reasonably.
- < Provide reasonable salaries and benefits, which can at least satisfy employee's basic needs.
- < Respect employee's right to associate freely and bargain collectively.
- < Comply with the universal enterprise ethic standards.

When suppliers supply products or services to Quanta or our affiliates, we request that suppliers support and comply with our CSR policy and the EICC code of conduct. We also audit our suppliers from time to time to realize CSR standards.

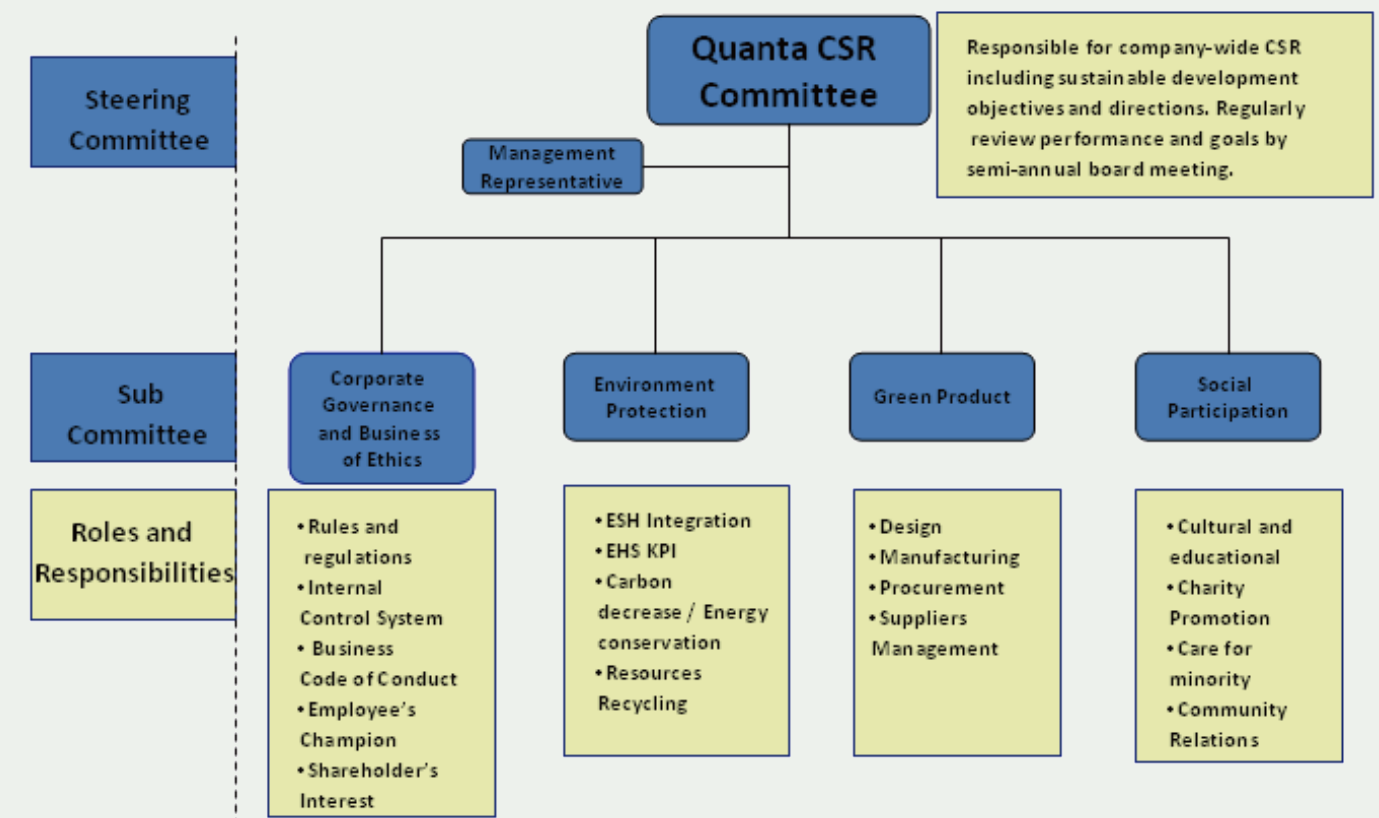
II .Statement of Conflict Minerals

Concerning the deterioration of society, environment and human rights as a result of the military control over metals like cobalt (Co), gold (Au), palladium (Pd), tantalum (Ta), wolfram (W), and tin (Sn) by the Democratic Republic of Congo (DRC) nearby non-governmental military groups, we insist on no use of conflict minerals strategy and practice of EICC and GeSI. In fact, we have adopted the EICC-GeSI Conflict Minerals Reporting Template and package tools announced by GeSI and the EICC to investigate if suppliers implement all the related policies.

III .Compliance

- < Compliance with SA8000 (Social Accountability 8000) 、 EICC (Electronic Industry Code of Conduct) standards
- < Compliance with related international laws, national and local laws and regulations.

The organizational structure of corporate social responsibility





Innovation & Happiness

- Profile of Quanta Computer
- Honorable Events
- Corporate Governance and Ethics
- Stakeholders Identification、 Communication and Responsibility



Profile of Quanta Computer

I .Company Introduction

Quanta Computer was established in 1988, and is the largest professional R&D manufacturer of notebook computers in the world. The firm became publicly listed on the Taiwan stock exchange in 1999, and the stock code is 2382. The global headquarters of the group is in Taoyuan, Taiwan. With approximately 5,000 people, where most of them are R&D and engineering personnel. In addition, manufacturing centers were created in Shanghai, Changshu and Chongqing, China to provide clients with competitive, high quality/efficiency production and logistics service. Furthermore, production and service locations were created in Asia, North America, Latin America and Europe in order to more closely cater for the clients' needs and offer better local service at strategic locations throughout the world. In 2011, the number of employees for Quanta Computer Group exceeded 10,000 people globally.

"Designed in Taiwan, manufactured in China and marketed globally" is the main strategic theme of Quanta's global deployment. We are devoted to long-term mass production coordination, management, and just-in-time production, distribution and sales. By capitalizing on the vertical integration of up and downstream resources, we can achieve optimal cost competitiveness. With the Quanta R&D Center as the center for motivation, we have integrated the global technological resources in order to ensure Taiwan's technological prowess and become the stronghold for research, development, design and production of high value-added products. We will actively construct the planning and management center based in Taiwan, and integrate the various production and service locations in the US, Latin America, Europe and Asia to realize our strong competitiveness for global manufacturing and marketing.

According to marketing research institute IDC's statistics, the total production quantity of notebook

computers around the globe reached more than 200 million units in 2011, while Quanta Computer, which takes up 27% of the market share, was ranked first with a total production quantity of 55.8 million units. Besides exhibiting excellent performances in the NB PC market, further actively captures markets beside the notebook computer market by extending its domain to enterprise network systems, family entertainment products, mobile communications products, vehicle electronic products and digital family products etc. With booming developments in cloud computing, we are more actively engaged in developing cloud computing related business opportunities and industry integration, hoping to achieve more diversified developments in the next generation of applied technology service markets.

Quanta Computers ranked 247th in the Fortune Global 500 in 2011, symbolizing the extraordinary and steady growth of Quanta. Moreover, Quanta was ranked no.1 in the computer industry category of Common Wealth Magazine's "Most Admired Company" survey.

Looking into the future, setting out from R&D, we expect to actively expand our non-NB PC business opportunities and increase the profit/revenue ratio, where the "New 3C" concept will be applied to set the direction of R&D for new products in the future. Furthermore, inspired by the concept of "human-centric automation", we will upgrade the skills and cultural thinking of Quanta employees, so as to develop a technology service business model unconventional to that of ODM in the past. Quanta persists constantly in the spirit of innovation and deep-rootedness, starting off from the foundation of OEM and ODM towards a revolutionary transformation, so as to advance in the fields of the New 3C Industry – Cloud Computing, Connectivity and Client Devices. Transform to a system solution provider for clients' cloud computing requirements and sculpt the blueprint for sustainable development in the enterprise!

II .Market Overview

2011 was a year of harsh challenges for the PC industry. Natural disasters such as the major earthquake in Japan and flooding in Thailand have severely disrupted the supply chain. Global PC market growth also became stagnant due to the European debt crisis and reduced consumption in the major Western nations. Through endeavors from the employees of Quanta Computer, the production goal of notebook computers for 2011 was accomplished successfully, with total production quantity reaching 55.8 million units. The outstanding production growth not only exceeded the average within the industry, but also catapulted Quanta Computer to the No.1 OEM manufacturer of global notebook computers again.

According to marketing research institute IDC's statistics, under the European debt crisis, the global economy in 2012 faces an unoptimistic outlook. However, stimulated by Intel's transition from the old to the new platform and the launch of the new OS from Microsoft. The production quantity for global PC market in 2012 is expected to reach 371 million units, with an annual growth rate of 5.4%.

Looking at 2012, Quanta Computer's notebook computer production quantity for the entire year will conform to the average within the industry; the firm will seek the perfect balance between the production quantity growth and profitability. As for non-notebook businesses, Quanta will invest more labor and RD resources to advance towards the Cloud Computing business. Besides expanding more optimized cloud-related products and services, developing and deep-rooting target customer groups, we will also actively search for strategic partners to accelerate the promotion of Cloud Computing business. With Mobile Computing and the prevalence of the digital family concept will become a strong dynamic force stimulating the growth of the company.

III . Services

Quanta Computers is the global leader in ODM/OEM R&D, design, manufacture and related services. It is the most prominent computer and electronics product company in the world, offering the most competitive products and services on the market, including comprehensive solutions from design, manufacture to logistics services. Furthermore, it has established a long-term, close, mutual and trustworthy commercial partnership with the customers. The impeccable R&D strength, high efficiency and high quality product development & production capability, global logistics ability, delivery speed & flexibility and economy of scale are important cornerstones of Quanta in maintaining a high global market share.

Quanta is also proactively expanding its positioning to implement the core philosophy of "human-centric service", so as to become the system solution provider for cloud environments and materialize the value of the best technology, products and services for our clients.

IV . Financial Performance

In 2011, Quanta's global net combined revenue was NT\$1.0110 trillion, which was nearly equal to the amount in 2010 (NT\$1.0125 trillion). The average gross profit rate was 3.83%, which is better than that in 2010 (3.45%). And the net profit in 2011 was NT\$23.05 billion, which increased by 24% compared to the figure of 2010 (NT\$185.9 billion), and earnings per share was NT\$6.02. Meanwhile, 55.8 million NB PCs were sold, the growth rate is around 7% as compared to the quantity in 2010 (52.1 million NB PCs). In 2012, Quanta Computer plans to allocate the profit gained from the previous year in terms of the cash dividend, which is approximately NT\$4.0 per share.

V .Enterprise Development

In order to complement the company's business growth, Quanta Computer's capital expenses for 2012 is estimated at between NT\$6~8 billion, which is expected to be invested in the following fields:

(I)Key material manufacturer: To enhance the control over key components and relevant technologies; the investment includes notebook computers and other fields in order to accomplish the vertical integration performance and enhance competitiveness.

(II)Cater to the demand of capital increment and expansion of the company and its overseas subsidiary companies: So as to serve customers more expediently, reduce costs and respond to the market changes.

(III)Cloud Computing related investment: Actively search for appropriate collaborative and investment targets, including technological collaboration, market development, strategic alliance, investment or co-partnership, so as to accelerate the expansion of the Cloud Computing business.

(IV)Other: Support research and development of new products, and invest in venture capital firms with target set in the emerging hi-tech industry.

Honorable Events

- < Ranked #247 among the Global Fortune 500 Enterprises by the Fortune Magazine. Honored as No. 9 of 2011 World's Most Praised Enterprises.
- < Ranked #80 in the Top 200 Asian Brands, No.1 enterprise in Taiwan
- < Ranked #17 in the Taiwan Innovative Enterprises Survey (MOEAIDB)
- < Most Admired Company Survey (Common Wealth Magazine)
- < Attained Grade-A Recognition for the 8th Information Disclosure and Evaluation of Publically Traded and OTC Companies
- < TTQS Taiwan TrainQuali System Benchmark Enterprise Golden Award



- < Songjiang District Special Contribution Award
- < Songjiang District Key Tax-payment Firm
- < First-grade Award for Pay Tax Outperformance
- < Second-grade Award for Pay Tax Increase
- < Advanced Blood Donation Unit
- < Advanced Organization for Fire Control, Songjian District, Shanghai



- < Advanced Legal Promotion and Education Organization (Changshu City People's Government)
- < Floating Population and Family Planning Demonstration Unit (Changshu City Yushan Town People's Government)



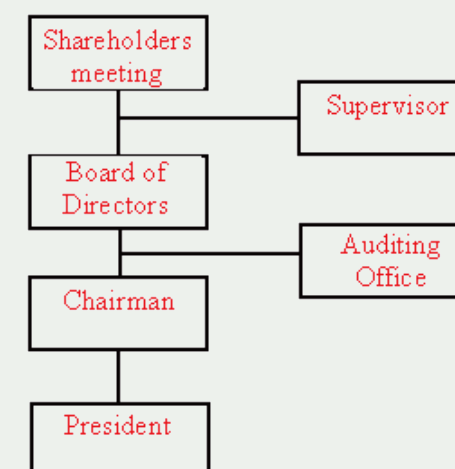
- < Top Ten Caring for the Livelihood of People Special Contribution Award (Chongqing Economic and IT Commission)
- < Chongqing Industrial and Economic Operation Advanced Organization (Chongqing Economic and IT Commission)



Corporate Governance and Ethics

Quanta insists on a transparent operation, focuses on shareholder's equity and social responsibility, and stipulates corporate governance structure and implementation in accordance with Company Law, the Securities & Exchange Act, and relevant regulations. Quanta reduces operating risks and improves operating efficiency by enforcing its internal control system effectively in order to help the Company achieve its vision.

I . Corporate governance organizational structure



II . Board of Directors

The Company's board of directors is one of the two main units in the corporate governance structure and it is organized in accordance with the election resolved in the shareholders meeting. There are five directors with much experience in business operations or academic study. Two of the five directors are independent directors, accountant Mr. C.T. Lu and Dr. W.D. Pang who is the principal of Soochow University.

The responsibilities of the board of directors include exercising its functions and powers in accordance with the governing regulations, Articles of Incorporation, and shareholders resolution as well as monitoring the management and being responsible for the overall business operation.

For substantiating corporate governance, strengthening monitoring function, and enhancing management functions, Quanta Computer has the Company's Rules of Procedure for board meetings stipulated for compliance in accordance with "Rules Governing the Board Meeting of the Public Company." If the bills possibly involve whether the director's interest or the interest of the corporation he behaves, and is detrimental to the Company's interests, the involving directors must follow the principle of avoiding any conflicts of interest for the protection of the Company's and shareholders' interests.

A board meeting is summoned at least once every quarter. The Chairman had summoned nine board meetings and provisional board meetings in 2011.

III. Supervisors

The board of supervisors is the other main unit in the corporate governance structure and it is organized in accordance with the election resolved in the shareholders meeting. Quanta Computer has three supervisors on board. Two of the three supervisors are independent supervisors, Mr. C.L. Lee and Mr. J.Y. Chang.

The supervisor's responsibilities include monitoring business execution, directors and the management's due diligence, and the Company's internal control system implementation in order to reduce the Company's operational risk. The function of a supervisor is similar to the Audit Committee in the United States.

Supervisors are invited to attend the board meetings to comment as a nonvoting delegate in order to keep track of the Company's operating conditions, to monitor the board operation, and to present their views in due course.

Supervisors had attended the board meeting in 2011 without commenting on the bills proposed.

IV. Internal control

For the purpose of promoting the Company's sound management, Quanta has the Company's internal control system designed and established in accordance with the "Rules Governing the Establishment of Internal Control System by the Public Companies" and the consideration of the Company's overall operating activities. The Company's internal control system is resolved in the board meeting to reasonably ensure operational effectiveness and efficiency, the reliability of financial statements, and the compliance with the governing regulations.

The Auditing Office is formed in accordance with the law and it is responsible for the effectiveness and integrity of the internal control system enforcement as well as for the persistent and ad hoc supervision of an audit. The Auditing Office is to have the annual auditing plan drafted up for the approval of the board of directors in advance. All audit reports must be reviewed and approved by the supervisors and independent directors. The director of Audit Office is invited to attend the board meeting to report the enforcement of the internal audit and present audit reports for reference.

Quanta Computer has been without any significant internal control nonconformities identified and has had its internal control system implemented in 2011. The audit plan and audit results are both uploaded to the Market Observation Post System for the transparent disclosure of information.

V. Compensation Committee

1. Formulating the "Charter for the Compensation Committee"

On August 31, 2011, the firm established the "Charter for the Compensation Committee" pursuant to Article 14-6-1 of the Securities and Exchange Act and the "Regulations Governing the Appointment and Exercise of Powers by the Compensation Committee of a Company Whose Stock is Listed on the Stock Exchange or Traded Over the Counter" promulgated by the Financial Supervisory Commission.

2. Election and appointment of members of the first compensation committee

On September 30, 2011, the board passed a resolution to appoint Mr. Pan Wei-da, Lu Qi-zhi and Lin Jing as the firm's first compensation committee members. Their tenure commences from the day of the passage of the resolution until June 17, 2013, which is the same as the end of the board of directors' current tenure. This is announced in accordance with the law.

3. Convening the first meeting

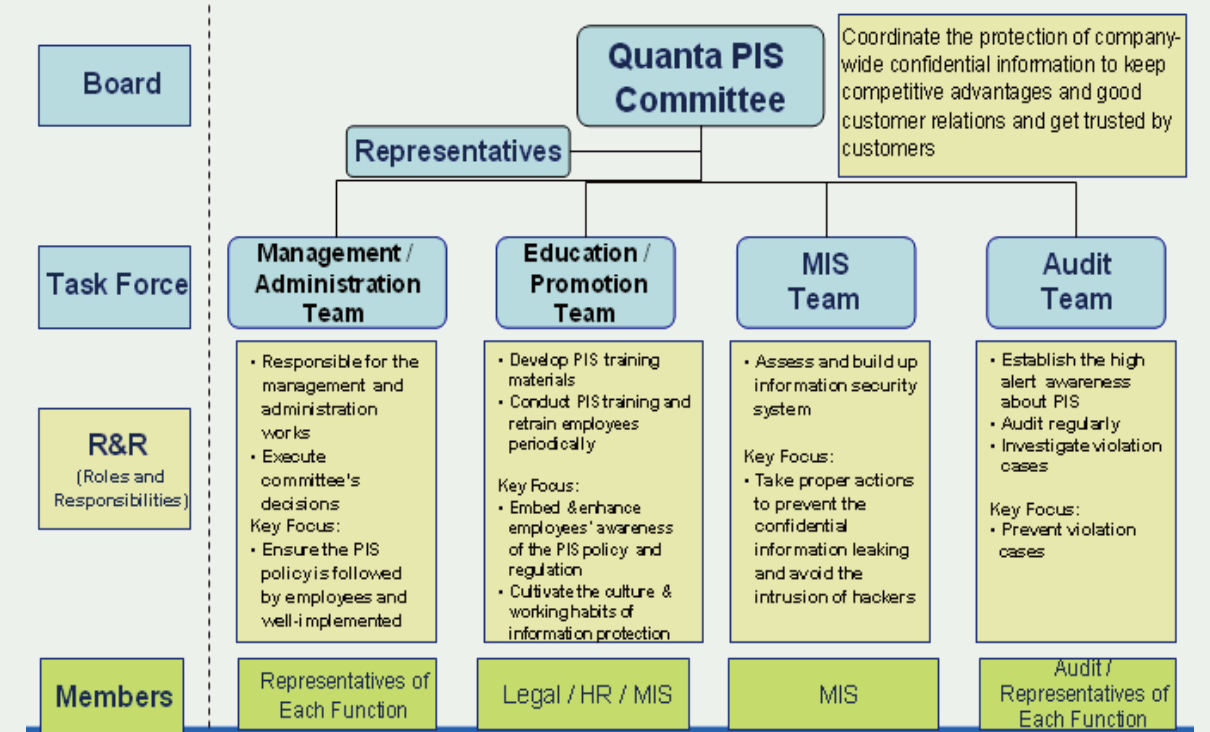
The first Compensation Committee will be convened according to Article 4 and 8 of the "Regulations Governing the Appointment and Exercise of Powers by the Compensation Committee of a Company Whose Stock is Listed on the Stock Exchange or Traded Over the Counter". Mr. Pan Wei-da was appointed as the convener and chairman of the meeting; furthermore, the first meeting was convened on December 28, 2011, which in turn passed the 2012 Compensation Committee meeting calendar and compensation/evaluation of senior managers.

VI. Employee Code of Conduct

1. Abide by the industry code of ethics

Employees are requested and obliged to perform duties in accordance with the spirit of honesty, precision, and professionalism. In addition, they can not be involved in any illegal or inadequate activity or participate in or abet others in conducting any activity or relationship that is detrimental to the dedication toward duties or professional judgment. The code of ethics is not limited to laws and regulations. Self-discipline is also the key for its implementation. One must also, however, judge discretionally whether the code contradicts common sense or not.

The confidential information of the Company and customers must be kept in confidence. For the purpose of enhancing staff's awareness of protecting confidential information, Quanta has had a Proprietary Information Security (PIS) Committee set up in 2010. Series of propaganda and training activities were arranged every year. Quanta expects its employees and supply chain to fully understand and comply with the emphasis on and request of confidential information.



PIS系列宣導(一)

保護機密新五不之內涵

- 員工從公司及客戶所知悉之所有資訊均屬「機密資訊」，而「機密資訊」為公司及客戶之重要資產，故員工有嚴格遵守相關保密規範之義務，我絕不利用網路或其他方式洩露公司及客戶之相關機密！
- 員工應深切了解公司軟體使用之相關規定，絕不在工作上使用非法軟體！
- 員工應深切了解公司尊重第三人智慧財產權之政策，絕不剽竊其他公司或他人智慧財產權(如營業秘密、專利權、著作權等)之成果，供工作上之用！
- 員工應深切了解網路資源「公私分離」之重要性，絕不在網上傳遞涉及色情、政治及其他非關工作之資訊，而公司基於保障公司或其他員工利益，於必要時，將檢視員工之網路使用狀況及其內容。
- 員工應深切了解如違反上述規定，將造成公司及客戶之重大，將造成公司及客戶之重大損害，公司最重將依工作規則將本人予以免職，並訴究其民、刑事責任。

PIS是工作承諾，更是種生活態度！

請詳閱PIS週之內容，最後一天有答題抽獎等著您囉！

PIS系列宣導(五)

請遵守保密原則，保護公司機密

機密資訊是公司重要的資產，我們每一個人都有嚴格遵守保密規範的義務喔！請檢視自己是否有做到以下事項：

- ✓ 不與業務無關的人討論工作內容、成果及客戶資訊！
- ✓ 不與人閒聊經手的業務、客戶的資料！
- ✓ 善用數位版權管理機制保護機密文件，下班時，電腦確實關機！
- ✓ 機密資訊文件放在能上鎖的櫃子裡，下班時將桌面淨空，不留置機密資訊！

廣達電腦股份有限公司

保密契約書

請詳閱PIS週之內內容，最後一天有答題抽獎等著您囉！

立契約書人：_____（以下簡稱甲方）係廣達電腦股份有限公司（以下簡稱乙：_____）訂定，特此聲明。
PIS是工作承諾，更是種生活態度！



2. Avoid conflict of interest

Employees must avoid causing any conflict of interest or potential influence between personal interest and corporate interest. Therefore, employees must fully report and explain the conflict of interest between personal interest and corporate interest voluntarily and immediately upon the occurrence of the following: Employees or their family dependents/close relatives hold an employment relationship with Quanta's suppliers, customers, or competitors, or, there is a direct or indirect financial interest in existence, or, employees or their family dependents/close relatives cause direct competition against Quanta in business with their activities outside the company, or, any work or responsibility that may interfere with their job performance in the company, or, utilize the Company's resources without authorization to conduct private activities outside the company.

3. Gifts and business entertainment

Do not accept or give gifts, gift money, and hospitality from and to the Company's suppliers, contractors, customers, and others related to the Company's business operation (including government agencies) that may influence normal business relations and judgment. Bribery in any form is prohibited.

The acceptance of presents and gifts in any form must be processed in accordance with the Code of Ethics.

4. Enforcement of the Code of Ethics

Employees are obliged to comply with this policy and the relevant procedures. Managers at all levels must substantiate and ensure their subordinates understand, accept, and comply with the requirements. We seek for the understanding and support of the Company's customers, suppliers, business partners, and others related to the Company's business operation. Employees are expected to stay vigilant against any breach of the Code of Ethics. The Company will have the offender who has breached the Code of Ethics disciplined accordingly.

VII. Compliance with company regulations

The stipulation of the Code of Ethics is to advocate ethics, integrity, and ethical behavior. Moreover, gender equality, environmental protection, etc., are regulated for compliance. The said company regulations clearly express the Company's policy related to the Company's reputation, assets security, bribery behavior, conflict of interest, discrimination, health and safety, and environmental protection as well as, the Company's compliance with the regulations.

Quanta Computer has business operations in accordance with domestic and international regulations. In addition the Company pays attention to the addition and modification of the governing regulations.

Stakeholders Identification、Communication and Responsibility

I .Stockholders identification and communication

The communication affairs within the Company are primarily promoted by the Governance & Business Ethics Committee in accordance with the concerns of the stakeholders. In addition, this is included in the job responsibility and work plan of the relevant departments. The provisional missions relevant to environmental trends and evolution are dealt with by the collaboration of all units.

In order to carry out creating transparency of information and responding to the diverse needs of all interested parties and carry out our duties towards them. Quanta has striven to ensure the fulfillment of responsibilities and maintain close contact and communication through all communication means and channels as a reference for preventive and corrective actions.

Stakeholders	Primary responsibilities of Quanta Computer	Communication means and channels
Shareholders and investors	<ul style="list-style-type: none"> >Provide real-time and accurate information timely; also, be devoted to the equality of information disclosure >Provide long-term stable dividend policy, generate adequate return on investment >Provide prudent financial strategy, maintain company creditability and business performance 	<ul style="list-style-type: none"> >Hold annual shareholders meetings >Conduct conference calls and press conferences for institutional shareholders periodically >Publish information on the Market Observation Post System of Taiwan Stock Exchange Corporation and the Company website synchronously. >An email and contact number are provided on the company website simultaneously, so as to establish a comprehensive communication channel between the investors and the firm. >A dedicated corporate investment relations department has been created >To hold face-to-face communications or telephone conferences with domestic and foreign corporate investment institutions on a regular basis.
Customers	<ul style="list-style-type: none"> >Provide the most competitive and high-quality products and services. >Provide an integrated solution including the service of design, production, and logistics as well as improve customer satisfaction. >Form a close, long-term, and trustworthy business partnership with customers >Advocate employee's responsibility for confidentiality and the rules governing employee's confronting the media 	<ul style="list-style-type: none"> >QBR (Quarterly Business Review) >Customer satisfaction survey >Participate in various technology forum, seminar and speeches from time to time >Meet customers' requirements and inspections of the products, environment, and responsibility; as well as fulfill collective prevention and continuous improvement. >PIS – Advocacy and training of the rules governing employee's confronting the media
Suppliers	<ul style="list-style-type: none"> >Promote legitimate and fair trade >Understand environmental safety and health considerations and specifications >Understand and provide assistance to Quanta for fulfilling social responsibilities 	<ul style="list-style-type: none"> >Sign the Letter of Commitment to Environmental Protection >Products must be tested by the accredited public laboratories >Incoming inspection must be sampled and tested by the GP laboratory of Quanta >green.quantacn.com >sub.quantatw.com >Green supply chain annual convention >Annual audit of suppliers and contractors
Employees	<ul style="list-style-type: none"> >Ensure and respect human rights >Promote employee development >Provide legitimate and fair evaluation and treatment >Promote environmental health and safety >Provide optional welfare and health promotion 	<ul style="list-style-type: none"> >Conduct communication meetings between supervisor and colleagues from time to time >Provide “70885 - please help me” staff service hotline and message bulletin >Provide “70695 – please try to understand me” Complaint of sexual harassment hotline and mailbox >Provide “70345” staff service hotline >Equipped with resident medical care staff to provide employees with medical consultation services >Free annual health examination and consultation for employees >Personal training and development for occupational competence; Quanta elite school, technology forum and design contest. >Employee satisfaction survey >Quanta Quarterly Newsletter and Bimonthly journal
Community and others	<ul style="list-style-type: none"> >Effective disaster and accident prevention and support >Promote knowledge sharing, culture, and affluence continuously. >Participate in public welfare activities. 	<ul style="list-style-type: none"> >Quanta Culture & Education Foundation >Quanta Arts Foundation >Communication unit responsible for regional views >Maintain good interaction with the competent authorities and participate in the relevant seminars. >Exchange of opinions by MIT experts >Participation in external activities

II .Responsibility to investors

Since its listing in 1999, Quanta has provided adequate returns on investment to long-term investors by the distribution of dividends and interest every year. At the same time, the Company has striven to maintain a prudent financial structure in accordance with the balanced prudent financial policy during the rapid growth period. Relentless insistence in steady management strategies, Quanta has the investment value, position, and reputation of a company that upholds international standards. Emphasizes the growth and innovative R&D of the enterprise and offers an ROI superior to other firms in the industry. Quanta continues to strive to become an excellent enterprise with sustainable development.

Looking back at the past year, the global PC industry faced rigorous challenges from the macro-environment. For instance, the major earth quake and tsunami in Japan caused a shortage of material in the supply chain. This was immediately followed by the European debt crisis that heavily impacted global consumers' confidence, in turn resulting in the slowdown of economic growth in major markets such as Europe and the US. Furthermore, the two-month flooding in Thailand during Q4 caused an interruption in the global hard drive supply chain. Nonetheless, Quanta braved the adverse challenges and grew steadily. Through the incessant endeavors of our employees, the firm still managed to demonstrate outstanding operating performance to show our gratitude towards the shareholders.

The Company's Investor Relations Office is a full-time service unit for institutional investors, has frequently arranged face-to-face communication meetings and conference calls with local and global investors and analysts to answer their questions regarding the company's business operation. They also assist the investment market to fully comprehend the firm's visions and strategic direction of the management.

The management of the company holds a financial report press conference periodically and conference calls for investor conferences to publish and explain quarterly financial statements, business operations, and prospects to the media and investors worldwide. In addition, the Company's senior management has also attended large investment forums and tours from time to time to meet global investors face-to-face.

Quanta strives to provide investors with accurate, real-time, and clear operating conditions and financial data. All documents published in accordance with the requirements of the competent authorities are uploaded to the Company's Web site synchronously. The Company has the information of main activities and important events communicated by e-mail to the investment institutions as well as having them uploaded to the Market Observation Post System and the Company's Web site synchronously. During times of necessity or emergencies, depending on the requirements of the circumstances, measures such as press conferences or news releases will be employed to conduct total, concurrent, and comprehensive expositions of information to the investors.

Quanta's effort in information transparency, information disclosure, corporate governance, and equal treatment for investors in recent years has been appreciated by the market and investors.

廣達 YES 雲端 OK

廣達同樂會

Dr. Barry 領袖先修班



Healthy Workplace · Human-Centric

- Employee Overview
- Talent Development
- Employee Relationship
- Compensation and Benefit

Employee Overview

Recruitment Policies

Quanta's recruitment is open and fair. In terms of the recruitment policy, we have consistently adhered to the principle of non-discrimination; regardless of ethnic group, class, language, thought, religious, political affiliation, origin, place of birth, gender, sexual orientation, age, marital status, appearance, facial features, disability, or union membership in the past, all are treated equally and fairly when recruiting skillful and competent talents.

No use of Child Labor and Child Labor Prevention

Quanta recruitment in compliance with the local laws and regulations, the regulation on minimum working age according to the international and China laws and regulations are strictly implemented to resolutely put an end to child labor. Regarding child labor prevention, management procedures, action programs, and preventive operations have been enacted, including:

- < Designated child labor prevention specialist personnel
- < Personnel responsible for recruitment must undergo child labor policy and verification related training
- < New employees in the Mainland China region can apply for temporary residence permits by bringing their ID cards to the local public security department before they on board
- < New employees must completely register basic personal information such as name, birthday, ID card number, etc., with HR for the individual identification and matching of employees with their ID cards, ID card copies archived for future reference
- < In the Mainland China region, ID cards must pass card reader inspection, an acknowledgment of age filled out, and confirmed to be 16 years old above by themselves.
- < The HR system automatically checks new employees age, and the system will immediately indicated those under 16, while simultaneously preventing basic new employee information from being saved into the company's employee information system
- < Establish reporting mechanism, etc.

Employee Structure

In terms of the proportion of employees' work region distribution, Taiwan comprises about 13.95%, Mainland China comprises about 80.81%, America comprises about 5.0%, and Europe comprises about 0.24%. In addition, in the technical environment of the electronics industry, Quanta also has relatively balanced gender ratios. In Taiwan, females account for about 26.3% and males account for about 73.7%; in Mainland China, females account for about 41% and males account for about 59%.

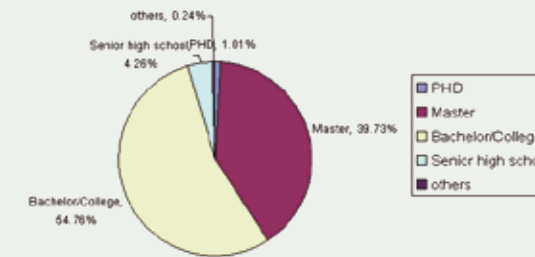
Parental Leave Application and Return Status

According to sex, QRDC reports the number of employees who applied for parental leave in 2011, and the number of employees should returning to work, and finally the actual number of employees returned status.

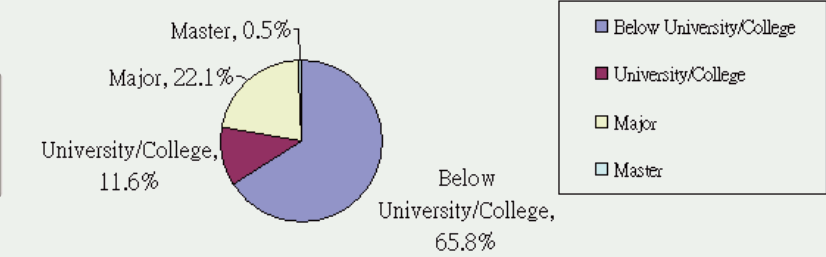
2011 Parental Leave	Applications	Expected Returns	Actual Returns	Return Rate
Male	8	3	2	67%
Female	12	5	4	80%
Total	20	8	6	75%

Education Distribution Charts

Taiwan



Mainland China

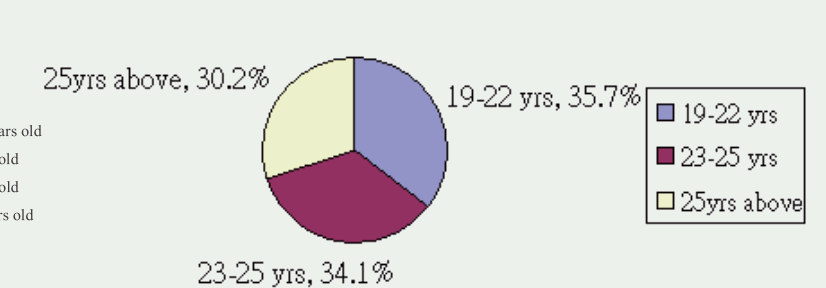


Age Distribution

Taiwan

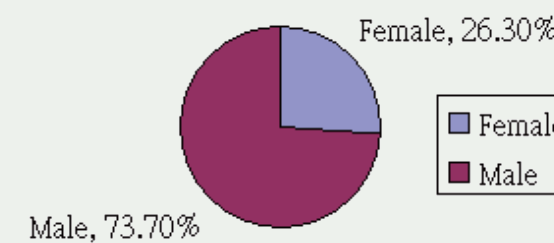


Mainland China

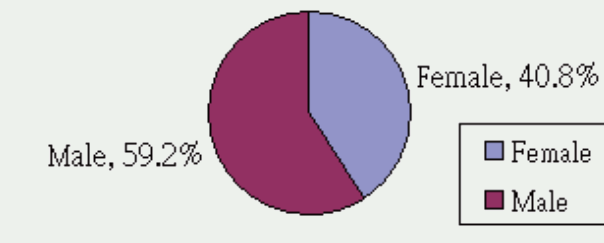


Gender Distribution

Taiwan



Mainland China



Talent Development

I .Quanta Training System

In order to enhance the overall quality of Quanta’s work force, the Quanta Elite School (QES) was established to serve as the cradle of talent for Quanta Group in a bid to fulfill the mission of Quanta TMC School. With five major programs (Expertise, Leadership, Innovation, Thinking, and Entrepreneurship programs) categorized to ensure a balanced development, collaboration with world-renowned universities has also been put in place to bring in top-class teaching faculty to be devoted to the training of elites and the implementation of leadership pathways.

QES Category Structure	
Programs	Subjects
Expertise Program	Core Competency
	Technical Training
	Administrative Management
	Project Management
	Sales
	New Comer Training
	Others
Leadership Program	Management Development
Innovation Program	Technology Updates
	Innovation Management
Thinking Program	Design Thinking
	Creative Thinking
	Out-of-the Box Thinking
	Design Capability
Entrepreneurship Program	Harvard Case Study
	Market Trends

II .Employee Development

In 2011, the total QRDC training hours reached 86,017, with a participation of 53,427 people in total. The average training hours received by supervisors, indirect labor, and direct labor were 21.6, 11.7, and 25.7, respectively. In terms of gender, each member of the female staff and the male staff received an average of 13.3 and 14.4 hours of training, respectively.

	Supervisors	Indirect Labor	Direct Labor	Total
Number of Staff (up till Dec 31)	1460	4990	102	6552
Total of Training Hours	31536	58420	2619	92575
Average Training Hours for Each Category of Staff	21.6	11.7	25.7	14.1

	Female Staff	Male Staff	Total
Number of Staff (up till Dec 31)	1529	5023	6552
Total of Training Hours	20327	72248	92575
Average Training Hours for Each Staff Category	13.3	14.4	14.1

Average Training Hours for Each Staff Category	Supervisors	Indirect Labor	Direct Labor
Female Staff	20.7	11.9	18.42
Male Staff	21.7	11.6	53.6

QSMC Training Hours for Each Staff Category

Development Plan		Session / Class	Training Hours per Session (H)	Accumulated Training Hours	Number of People in Training
New Comer Training	Indirect	145	6	/	3397
	Direct		15	/	126127
Elite Scheme	Basic	11	70	770	612
	Intermediate	6	45	270	220
	Advanced	2	70	140	75
	Post-Advanced	1	56	56	48
Groups of Buddies Training		4	20	80	189
Accommodation Warden Training		3	20	80	103
Maintenance Training		5	16.5	82.5	377
Yearly Training Program		14	2	28	1198
Online Course		186	/	13060	12260
External Training		109	/	/	860

Based on staff category and gender, the training hours that each employee receives annually as calculated by CSMC are as follows: an average of 8.19 hours for male staff; 8.25 hours for female staff; 8.004 hours on average for direct labor; 14.61 hours for indirect labor.

QCMC has held 60 sessions of new comer training for indirect labor, reaching 716 people, lasting 6 hours; 61 sessions for direct labor, reaching 16,214 people, lasting 3 hours.

To support the staff in upgrading their capability, and to assist them with skills management and life-long learning, Quanta focuses on cultivating talents with innovative, creative and entrepreneur acumen, having at its disposal a comprehensive development scheme and diverse learning pathways.

(一) Development and Training Program

From new recruit training to senior supervisor development, comprehensive learning maps and curriculum have been structured to include management development, technical training, personal effectiveness, professional functionalities, new recruit training and so on. In order to achieve a more goal/system/efficiency orientated learning, we have intermittently implemented core competency module and management competency modules, based on which we offer a series of training courses. Accordingly, Quanta employees can structure a set of long-term personalized development plans based on one's current level of competency, upon discussion with supervisors, and next, go further to select the appropriate training courses according to his/her own development needs, in conjunction with job performance and the dual-ladder career development system.

1. Yearly training plan

QSMC has 14 in-classroom courses available offering effective communication, emotion management, business etiquette, as well as 'how to stay on top of office communication', and 'how to win over the audience with excellent public speech skills'. Each class lasts 2 hours on average, its content covering various areas such as work skills, interpersonal relationships and office software, the number of participants is estimated to reach 1,198.

The numbers of courses and participants for CSMC 2011 is shown in the chart below:

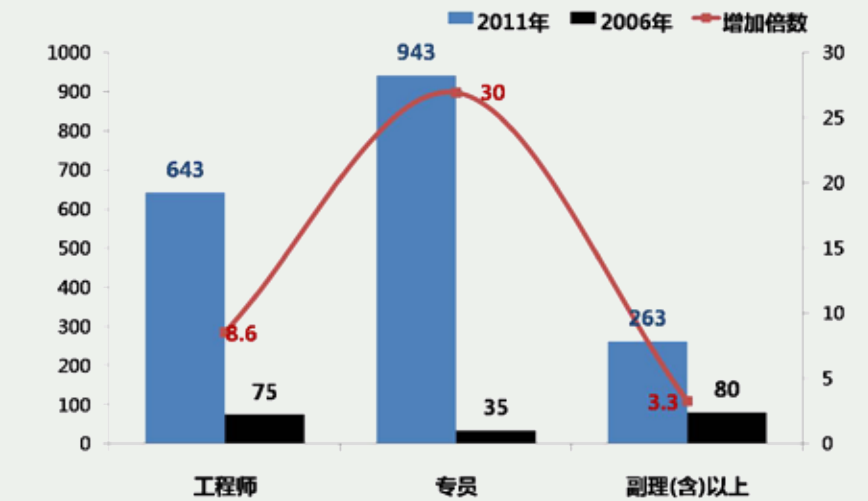
Course Type	Number of Courses	Number of Participants
Courses for Elite Program	20	1156
New Recruit Training	7	33660
Team Instructor Training	7	2622
External Training	46	124
Security Guard Training	3	538
Psychology Course	21	711
Yearly Plan Course	20	1017

In May 2011, QCMC held management system training in compliance with ISO9001 & QC080000 & ISO14001 & OHSAS18001 standards, covering 32 hours for 36 staff. In June, the CCC facilitating regulation and internal inspector training for energy reduction took place in June, covering 16 hours for 24 staff. Project training for Class/Team leaders was in August, involving management skills, communication skills, corporate social responsibility and so on, covering 16 hours for 54 people. Assistant training was in August, including access control, leaving a job, attendance check, social insurance and so on, covering 2 hours for 23 people. MRO work procedure training and assistant work skills training was in September, covering 2 hours for 60 people and 1 hour for 38 people, respectively. CSR internal inspector training was in November, covering 3 hours for 18 people. Documents management and user training was in December, covering 2 hours for 95 people.

2. Elite Training Program

The intent is to cultivate local staff and turn elites with strength in technical and sales skills into outstanding managerial personnel; training – that is outlined with 10 courses – will be conducted according to the level of job positions: five courses for the intermediate, advanced, and post-advanced levels. In 2011, QSMC started a total of 11 sessions for the basic level serving 612 people, 6 sessions for the intermediate level serving 220 people, 2 sessions for the advanced level serving 75 people; 1 session for the post-advanced level serving 48 people. Between November and December 2011, QCMC set up the 59th session for the basic level course, reaching 61 colleagues spanning 70 hours in total.

在职精英职等分布



	个人素能持续提升	积极开放合作精神	应才施教管理风格	立足全局组织规划
初阶	时间管理、目标设定 简报技巧、专案计划	沟通技巧、 冲突技巧	绩效管理、领导技巧 面试技巧、工作教导	
中阶	问题分析与解决	团队建设 之孤星求生	领导的角色与职责 情境领导 (Self)	苹果加橘子——非 财务人员沙盘实战 模拟
高阶	驻足思考	王者之星 合作与超越	建立高绩效团队	赋能与授权
进阶	决策分析与策略计划	承诺！承诺！		tango人才沙盘 领导变革 经营实战模拟

QSMC Elite Training Program Result

3. Professional Functionalities

In order to raise the integrated service quality of the managerial staff in the living areas, QSMC has established the five-day accommodation warden training, covering five courses, each lasting four hours, delivered over 3 sessions, estimated to reach 103 people for training. Further still, with a view to cultivate and develop the company maintenance staff while offering the front-line staff more pathways for internal promotion, maintenance training has been initiated to target internal staff, its content covering 11 courses – such as introduction to computer components, computer structure, professional maintenance jargon, maintenance procedures, as well as thought processes and practical applications – each course lasting 1.5 hours, delivered over 5 sessions, reaching 377 people. In addition, in 2011, QCMC held two sessions of forklift training, serving 66 people over 14 hours.



QSMC 内部维修技术员培训

火热招募中~

一、课程内容

理论知识：

1. 元器件的认识及作用
2. 维修工具的使用 (包括实际演练)
3. 焊接技巧与标准
4. 笔记本电脑的架构
5. 线路图分析
6. 维修思路及步骤
7. 维修专业术语
8. 静电防护与敏感元件的管控方法
9. 笔记本电脑的测试方法

实践操作：

教学后期，将提供实际操作演练，由资深老师指导，旨在培养学员的动手能力。

主办单位：QSMC维修部/HR培训课

课程咨询请与HR课联系 联系电话：12106

二、课程安排

预计开课时间：8月初-10月底

每周上课时间：每周2-3次，每次1.5小时

具体上课时段 根据报名调查结果决定

三、报名方式

报名地点：生活区一期002栋宿舍 一楼社团组办公室

报名时间：即日起，每天08:00-22:00

此次培训费用全免，欢迎全体同仁踊跃参与，考试合格后将为您颁发证书。

报名截止日为2011年7月16日

4. Training for New Comers

The intent is mainly to facilitate immediate adjustment to the working and living environment on the part of new recruits. QSMC President will be present at every session of New Recruit Training, to share the corporate culture, to express concern over their living conditions. The course content includes introduction to the company profile, corporate culture, HR policy, production safety, corporate social responsibilities (CSR), operation secrets, green products management demands, environmental protection materials, work ethic cultivation, labor contract and wages, electrical common sense, involving areas of work attitude/emotion adjustment, work hours, vacation, labor rights, occupational safety and so on.

(二) Diversified Development and Learning Routes

This includes online learning, in-classroom learning, on-the-job training, lectures, and external training courses in a bid to help the employees improve their professional skills and capabilities. In 2011, QRDC offered over 1,100 training courses, and offering over 400 e-training courses. We can generate online courses by ourselves, and provide an interactive learning platform for all the employees.

1. Study Corner

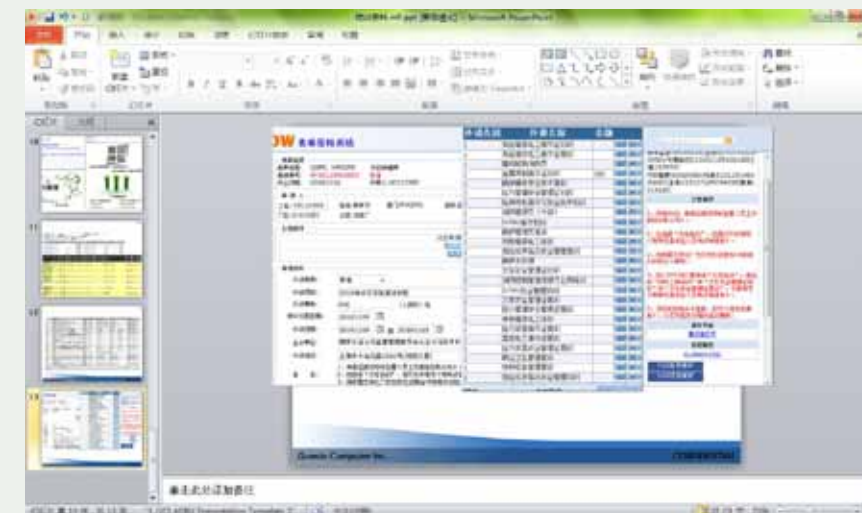
The study corner in all factory will renew its office software, English and CSR study posters/newsletters every month, open the HR-system online study corner, and expand areas of promotion by various different channels. Additionally, the “Truth-Kindness-Beauty” magazine covers the CSR column to deliver regular reports with relevant information.

2. Online Learning Platform

QSMC offers 186 courses/classes, with 10,403 people having passed through the courses. Focusing mainly on SAP courses, QCMC covers aspects in procurement, production material control, finance, production & marketing, customs, sales and so on; the average training received is one hour per person for 127 people in total.

3. External Training

QSMC offers 109 courses/classes with 860 people participating in the external training, with the special skills certificate courses as the mainstay, content catering to high/low voltage electricians, dangerous chemicals, X-Ray radioactive operation, safe production management, internal inspectors, forklifts and so on.



(三) Training Innovation and Features

Promote the learning culture, Quanta proactively cultivate internal teachers. An Excellent Teacher Award has also been presented every year as an encouragement to instructors and colleagues with outstanding contribution towards training courses within the company.

Policies and regulations pertaining to education & training have been formulated to include areas in training administration management policy, techniques education consultant groups policy, internal instructor policy, managerial training development policy, elite development policy, customized training policy, personnel training subsidy policy, and English proficiency requirement as sales personnel.



III .Emphasis on Human Rights and Training

In terms of training for human rights-related policies and procedures in the workplace, the training time and personnel proportion is indicated in the statistics below:

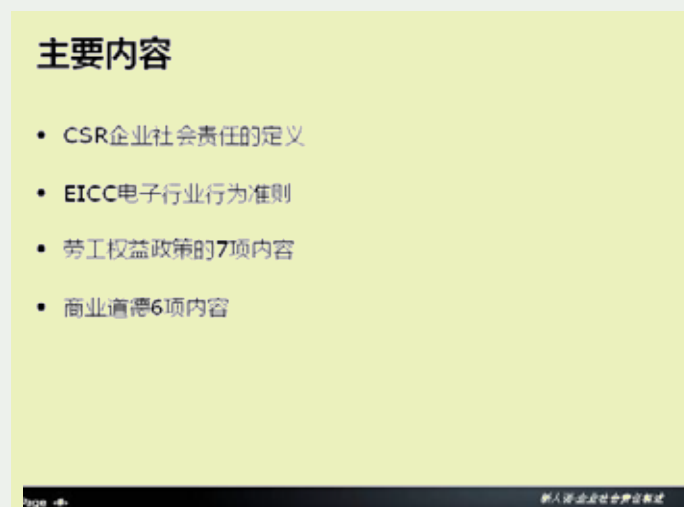
QRDC

1. Regular safety & hygiene education training (Council of Labor Affairs): 3.5 hours/person, proportion of personnel under training: 100%
2. Introduction to Intellectual Property Rights: 0.27 hours/person, proportion of personnel under training: 100%
3. Occupational safety and hygiene: 0.26 hours/person, proportion of personnel under training: 100%
4. How to stay happy at work: 1hour/person, proportion of personnel under training: 100%

QSMC

1. New comer orientation: Corporate Social Responsibility instruction

This covers introduction to corporate social responsibilities, EICC standards for occupational conducts, labor rights policies: 0.5 hour per session, proportion of newly recruited personnel under training: 100%



2. Online Courses – CSR and Management System Introduction

Each year, an average of 11 courses are available online, such as fair and collaborative workplaces, occupational safety & health, work-induced injury and prevention of occupational illnesses. Each session for each course lasts around 1 hour in duration.



3. Groups of Buddies

In order to expand the frontline employee’s complaints-filing/help-seeking network, QSMC assigns a group of buddies from the frontline that will, in areas of work instruction and psychological consultancy, help employees solve or improve work/life related issues or disturbances in a bid to elevate the employees’ sense of belonging to the company. This training covers five courses, of which labor law training in particular is made available in four sessions for 189 employees in total, each session lasting 4 hours. QCMC’s ‘loving consultants’ will be receiving one hour’s daily training, commencing October 2011, alongside a series of ‘care for the mind and soul’ courses, including ‘Passing Love along the Production Line’, lasting 2 hours per session, to accommodate a total of 28 employees.



Employees under CSMC training: 1 hour/person, employee proportion: 100%

QCMC

1. Law Awareness Training: course duration for new recruit training: 0.5 hour/person, proportion of personnel under training: 100%
2. CSR Training: course duration for new recruit training: 0.5 hour/person, proportion of personnel under training: 100%
3. CSR Internal Inspector Training: number of personnel under training: 18 people, for the duration of 3 hours.

IV .Demand for & Reminder of Ferocious Persistence on an Anti-Corruption Spirit

The proportion of Quanta employees having received anti-corruption policy & procedure training in 2011 is illustrated in the statistics below:

QRDC

1. Memorandum to Quanta Group operation secrets & information security: 0.47 hour/person; proportion of personnel under training: 100%
2. Quanta's general administrative training: 0.25 hour/person; proportion of personnel under training: 100%
3. How to avoid conflicts of interest within work regulations: 1 hour/person; proportion of personnel under training: 100%
4. Assigning talents to appropriate tasks: 5 hours/person; proportion of personnel under training: 8%

QSMC/CSMC/QCMC

In 2011, on both the Quanta Elite School and the HR system, online courses for PIS (Proprietary Information Security) were made available with course duration of 20 minutes, the proportion of those under such computer training, 100%.



In the future, Quanta will continue to cultivate and invest further resources in nurturing and development talent, in order to enhance the manpower quality and the company's overall competitiveness.

Employee Relationship

I .Communication

To achieve downward, upward and parallel barrier-free communications through the various feasible communication platforms. Mechanism to Establish Comprehensive Employee Participation and Provide Suggestions to Upper Management. Including:

- (1) All forms of communication meetings, such as the President's lectures, supervisors' business meetings, departmental meetings, welfare committee and labor conferences, and QSMC/CSMC labor Union.



- (2) Newsletters, Quanta mail and monthly information exchange stations, etc.

- (3) Internal Publications: QRDC quarterly newsletter provides employees with the group trends, industrial information, internal activities and a platform for staff display their style of writing. "Truth, Goodness, and Beauty" also available in China.



(4) The daily industrial news dynamics and the quarterly technology forums provide the latest industrial information.

(5) Accessible complaint and feedback channels: such as Quanta message boards and staff assistance 70885 24-hour hotline services, 70695 sexual harassment prevention hotline, 70345 employee suggestion hotline, employee complaint and reporting 52360888-10150 hotline, welfare committee mailbox, Recreational Hall mailboxes, staff restaurant mailboxes, and so on are available. There is also a staff suggestion box in each plant. Letters will be regularly collected and processed in a timely manner.

(6) Bulletin boards and signboards are available in all places to effectively convey messages.

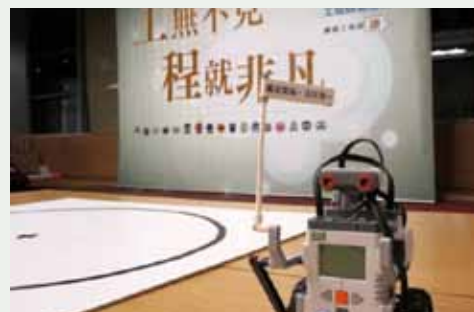
(7) Quanta FAQ questions: Relevant specialist personnel respond to the categories of information, human resources, general affairs, financial affairs, custom affairs, etc.

(8) The VOE (Voice of Employee) survey: Based on impartiality and confidentiality, external academic institutions are invited to conduct one staff opinion survey every two years in order to understand the employees' ideas and opinions of the work content and environment, management approach, learning development, salary and welfare, and so on, which shall serve as a reference for the management in improving the management performance. Mainland region employee satisfaction survey according to Event held by the management division twice per year to gauge employee satisfaction towards the service, speed, and quality of the management division and to voice reasonable suggestions.

(9) From interviews with employees and former employees, all suggestions were analyzed, explored and improved.

II .Recognition and Encouragement

(1) All kinds of activities such as the Secretary Day, Engineer Day, DL day, internal image video, etc.



Write program into robot in a limited timeframe



(2) Senior employee recognition activities, First-rate security guard appraisals, and Quanta good patent incentives, etc.

(3) Promote high quality corporate culture

QRDC has implemented a dress code and promotes awareness of clothing that is timely, appropriate, and suitable to etiquette. The Mainland factory campus is equipped with convenient facilities such as barometers, etc., to promote hard work, happy living, and to create a high quality corporate culture for employees.



III .Employee Caring

(1) Employee Assistance Program (EAP) has been imported

To help employees resolve personal issues, and provide legal advice as well as financial and health advice. Furthermore, the EAP Report intended for employees and supervisors has been simultaneously. Through line manager, observation and management skills are imparted for supervisors. Buddy teams have been established in the Mainland region focusing on production line worker care and solving problems. Every month, discussion meetings are held with associate vice president and relevant unit managers.

Also, the annual health checkup has also included physical and mental stress in order to ensure employees stay in good physical and mental state and have good family and interpersonal relationships, thereby establishing a complete social support network!



(2) Psychological counseling room

Has been set up in China where counselors with class II national registration have been hired to engage in face to face and free individual counseling to help those troubled by emotional and family problems. The consultation covers adolescent adaptation and development related problems, marital problems, personality adjustment, occupational stress, and other issues. Also, the psychological service hotline 17668 (the same phonetic sound as “Let us chat”) has been set up to help employees release their mental stress.

(3) Psychological Care Seminars

Such as “Communications start from the Heart,” “Fated to be a Family,” “Active Living, Happy Working,” etc., to care about employees’ psychological status and offer caring support while advocating psychological health.



(4) Employee Care Series Posters

IV. Employee-employer Harmony

There were no discrimination cases in 2011. The company provided favorable package terms in excess of labor law requirements to those affected by the downward labor adjustment of QRDC single customer production line business in September. Employees were given a choice while related community resources were sought to make every effort in providing subsequent placement services. The 70345 employee hotline continued providing specialist assistance to employees relating to follow-up questions and support. Thus, no labor dispute cases occurred.

Each factory accepts second or third party audits from customers related to labor, health, safety, environment, management system, business ethics, etc. according to operational requirements; externally, to strengthen management of labor service providers, conduct labor rights reviews, and focus on Quanta product component suppliers, on-site labor rights and business ethic audits were implemented according to EICC, local legal regulations, and other requirements, to eliminate and prevent the possible risks of forced labor, etc.

Compensation and Benefit

I .Overall compensation

Quanta has comprehensive salary and benefit package, and has striven to provide its staff with a competitive salary structure and adequate salary policy through industry salary investigation in order to attract and retain talents achieving operational objectives.

Our staff's salary depends on education, experience, performance, and market conditions. Each operations Site, the salary ratio of male staff and female staff is 1:1 without sex discrimination, and are all in compliance with the Requirements of the local minimum wage. In conclusion, the staff's salary is not affected by sex, race, religion, political stance, and marital status.

Salary and bonuses are paid in accordance with the governing salary ordinances. In addition, rewards, allowances, raises, and performance or service incentives are paid from time to time. Quanta has appropriated a certain percentage of the earnings annually as a year-end bonus and profit sharing dividend to employees to share the operating results.

II .Performance management and development

With Equal Treatment for Both Genders, Quanta has its staff's interim and annual performance and development evaluation conducted with the e-Performance Management System (e-PMS) and HR system to understand the staff's performance for reference in planning promotion, annual bonuses, training and development, and performance remuneration.

Performance evaluation is performed for reviewing and developing future goals. Employees who have performed poorly will be given an opportunity for improvement in order to upgrade the employee's work efficiency.

III .Insurance

Insurance benefits include labor insurance, health insurance, and group insurance.

A comprehensive welfare and security system is provided in Mainland China in accordance with the Labor Contract Law. Quanta's employees are entitled to the protection of social insurance (medical, unemployment, pension, maternity, and work injury) including the coverage of accident insurance. At the same time, the Company takes effort to care for and be compassionate toward its trainees by arranging transportation, providing business insurance protecting the trainee's personal safety during the internship, and communicating to the stationed teachers frequently to provide psychological counseling to students and help them resolve hardships in life.

IV .Off work and attendance

We provide employees with comprehensive annual leave with pay, business trip allowance, sick leave, maternity leave, and maternity leave for man. Female workers in Mainland China who meet the family planning regulations are entitled to the benefits of prenatal leave, maternity leave, breast-feeding leave.

All employees by age group are entitled to free physical check-ups once every two or five years for early detection, early diagnosis, early treatment, and disease prevention.

V .Pension provision

“Labor Standard Act” pension plan: This is a defined benefits plan. The Company has its pension reserve provisioned and then deposited in a special account with the Bank of Taiwan to fund pension payments. A benefits formula is processed in accordance with the Labor Standard Act.

“Labor Pension Act” pension plan: It is a defined contribution plan. The Company has its pension reserve provisioned in accordance with the “Labor Pension Act” since July 1, 2005. The pension reserve is deposited in the individual pension account with the Bureau of Labor Insurance. For the protection of the employee's interests, the monthly pension reserve deposit record is available on the Human Resources System for employee's online inquiry.

Retirement pensions in the Mainland region are implemented according to the “Social Security Law of the PRC.” The local social security system and basic retirement insurance is to safeguard the livelihoods of retired employees: the integration of the social pool and personal accounts is still implemented and the basic retirement insurance fund consists of employer, and employee contributions and government subsidies. Employers contribute a proportion of salaries dictated by government regulations as a basic retirement insurance fee allocated to the coordinated basic retirement insurance fund; employees contribute a proportion of salaries dictated by government regulations as a basic retirement insurance fee allocated to their personal accounts. When participants in basic retirement insurance reach the legally mandated retirement age, they will receive a basic retirement pension every month according to insurance law.

VI .Welfare system

The purpose is to improve employee's overall welfare and provide employees with a healthy, happy, and hopefully lifestyle in order to promote industrial harmony and increase productivity.

(一) Health

(1) Health promotion activity –physical fitness activities, body shaping health plan, and road race activities.



(2) Sports and fitness activities –Muscle Man activity, ball games, swimming competitions, water sports, and an aerobic carnival.



(3) Health curriculum planning – Fitness exercise bike, street dancing, magic steps, Latin Pop, MV dance, and yoga body sculpting.



(4) Employee health examinations, childbearing services, free fitness test event held by the Changshu City Sports Bureau in July 2011



(二) Happiness

(1) Cultural activities: Drama appreciation, film Appreciation, Taiwan films appreciation and analysis and promotion of traditional cultural performances. “Entering Shanghai’s Liu Hai Su Art Museum,” “Entering Kunshan Zhouzhuang,” “Entering Shanghai Aquarium,” of the Cultural Salon Express Train; China Mobile Happy Community Troup Performance, Safe Production Art Performance



(2) Happiness sharing activities



Year end party



Anniversary celebration



Christmas party



Songkran Festival



DIY



Quanta market



Cards games



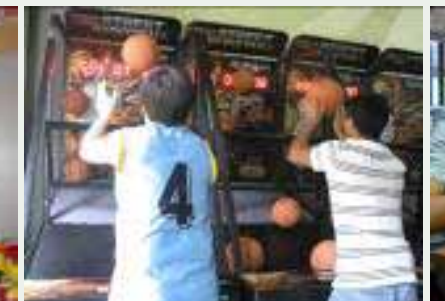
Holiday activities



Holiday activities



Speech games



Basketball games



Chess competition



Dancing party



Karaoke games



Fireworks Shows

(3) Benefit of a convenient life: Employee restaurant and shopping Arcade, Merchants, and SALES event (Chinese New Year, Dragon Boat Festival, and August Moon Festival)

(4) Club activities: Employees may attend club activities with friends after work according to their own preferences. Club activities include the photography club, Zen Club, Flute club, Musical Instrument Club, Aikido Club, Wushu Club, dance club, Yoga club, and scuba diving club, Outdoor Activities Club, Computer Club, Flower Arranging Club, Handicrafts Club, English Club, Art Club, Make-up Club, Caring Club, etc.



(三) Hope

- (1) Arts and culture lecture- Book club
- (2) Children's Summer Camp



(3) Unmarried staff social activities, “Happiness is right next to you” Youth Marriage Seminar



(4) “Legal Aid and Creating Harmony, Employee Difficulty Peer group” Colleague Advisory



(5) Invoices collection

(6) Welfare subsidies application: Wedding, funerals or other happy events, emergency and disaster relief, department tours and recreational activities, educational subsidies and loan fee subsidies, etc.





Love the earth

·Care the environment

- Co-existence and development of environment and technology — Quanta Environmental Philosophy and Policy
- Environmental management system
- Risk assessment and crisis management
- Greenhouse gas and climate change
- Love the Earth through Environmental protection and Energy Conservation

Co-existence and development of environment and technology —Quanta Environmental Philosophy and Policy

Advocate employee environmental awareness through the Environment Policy

The main environmental impacts Quanta generate are exhaust gas, sewage and waste etc. Persisting in the philosophy of symbiosis with Earth, all colleagues are committed to completing the following environmental policies in order to achieve the spirit of pollution prevention and constant improvement.

- > We use employee training and implement the ISO 14001 System to let our employees be well informed that environmental protection is the responsibility and obligation of everyone.
- > We all work to reduce air and water pollution and waste production, so as to mitigate our environmental impact.
- > We strictly abide by relevant statutory regulations and other essential requirements while carrying out product design and production.
- > We set forth environmental targets for continued improvement.
- > We consider environmental issues while designing products, aiming to implement low energy consumption and low pollution.



Creating a Quanta space of health, safety and security —Occupational Safety and Health Policies

Compliance with Statutory Regulations, Risk Assessment, Participation of The Entire Staff, Continued Improvements, Hazard Mitigation.

Implementation Guidelines

- > Continued improvement in occupational safety and health
- > Implement risk management
- > Enhance employee training and contingency response
- > Guide the entire staff for total participation
- > Abide by occupational safety regulations to protect employees' health

Environmental management system

I. Environmental safety and health management system

The firm's environmental safety and health promotion group in addition to promoting and implementing the firm's environmental and safety management systems, they also constantly demand improvements towards numerous management systems such as the construction by contractors, storage and use management of chemicals, extension cords and use management of mobile electric appliances and facilities, and waste etc. Improvements in the employees' work safety and health related knowledge, as well as promotion of occupational safety and health information are achieved through education and training; furthermore, in accordance with the legal regulations of the Labor Safety and Health Act, occupational safety/health training courses and related educational training are conducted, for instance: new employees, emergency rescuers, operation of forklifts, high pressure gas facility operations and managerial staff etc. In addition, emergency response organizations are established according to different conditions, and regular firefighting training, evacuation drills and various disaster response drills are conducted to ensure personnel safety and reduce losses incurred by disasters.

(1) Management System Certification

Quanta HQ started the Environment Management System at Hwa Ya Science Park in 1999 and attained DNV ISO 14001 certification in 2000. Furthermore, the OHSAS 18001 Occupational Safety and Health certification was licensed in 2004.



Quanta Shanghai Manufacturing City (QSMC) introduced the ISO 14001 Environment Management System and the OHSAS 18001 Occupational Safety and Health Management System in 2001. Both systems of the plant are subject to annual internal and external auditing to identify and improve any flaw in the system's operation for satisfying system management requirements and meeting company environment policies.



Quanta's Changshu Manufacturing Center (CSMC) was launched in 2006 with the ISO14001 environment management system and OHSAS18001 management system both introduced at the same time. Both will be certified by a third party in July of next year. As of the end of year 2011, CSMC has acquired certification and was audited by CQC for four consecutive years.

Quanta's Chongqing Manufacturing Center (QCMC) was founded in 2010 and launched in April 2011 with the ISO14001 environment management system and OHSAS18001 (Occupational Health and Safety Management System) both introduced at the same time. Both were certified by CQC in December 2011.



(2) Labor Safety and Health Committee

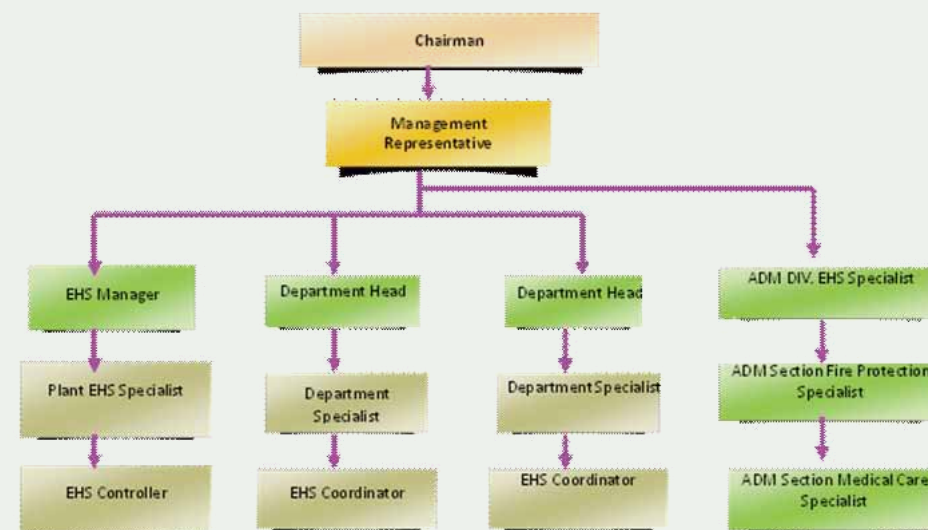
A Labor Safety and Health Committee is set up according to the management and automatic inspection regulation, with more than one third of the committee members elected by labors, to hold quarterly labor safety and health meeting for items listed below:

1. Recommendations on labor safety and health policies speculated on by employers
2. Recommendations on and coordinations for labor safety and health plans
3. Review of labor safety and health education and training implementation plan
4. Review the action plan against operation environment inspection results
5. Review the health management and improvement relevant subjects
6. Review safety and health proposals
7. Review automatic inspection and safety and health auditing items by business units
8. Review the preventive mechanism for mechanic, equipment or material, and substance damages
9. Review reports on the occupational hazard survey
10. Assess field safety and health management performance
11. Review safety and health management items on outsourced business
12. Other relevant safety and health management items

(3) Organization of EHS Management Committee of Quanta

An EHS, the abbreviation of Environment, Safety and Health, management team and committee is set up at the beginning of the foundation of a new plant. Chaired by the Chairman and led by department head, this organization is aimed at supervising and managing relevant environmental, safety and occupational health affairs of each business unit. In addition, each department is assigned with EHS liaison offices to ensure environment, safety and occupational health relevant tasks are fully enforced in every sector and level of the unit. More than three quarters of the EHS committee headcount are EHS liaison officers are employee representatives. The goal is to assess and review current EHS management status with participations from every level of the unit to promote various solutions of management by objectives designed for lessening environment impacts.

The EHS management committee holds a monthly meeting to review implementation status of environment, safety and occupational health relevant tasks as well as to advocate environment protection concept and safety and health knowledge. A year-end review meeting is held for EHS task status review and preparing of the next year's targets and plans.



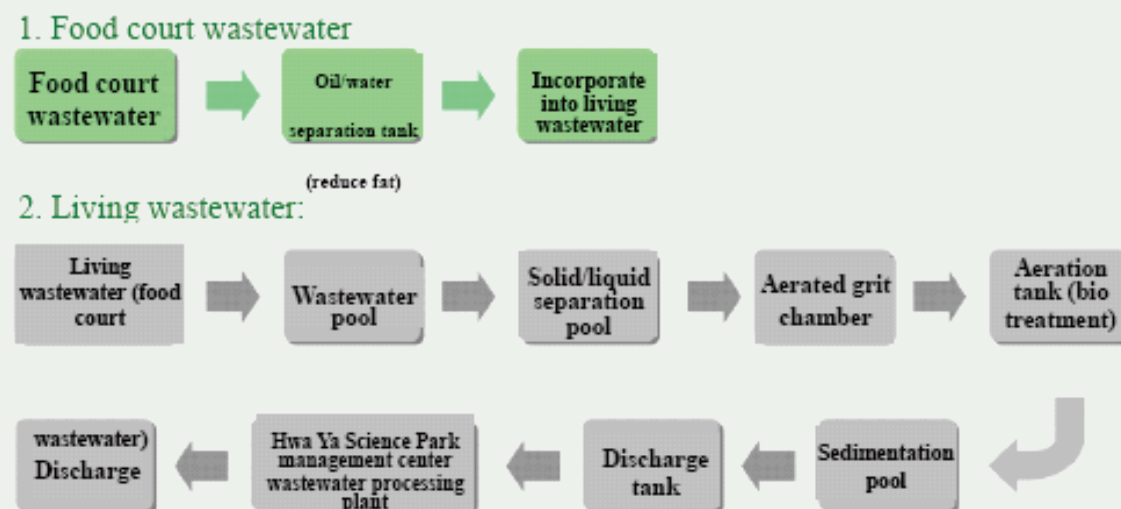
CSMC EHS management committee					
Chairman					
Vice chairman					
Management representative					
Management department – EHS project					
A1 plant		C plant		Living zone	
Department commissioner	EHS team	Department commissioner	EHS team	Department commissioner	EHS team
EHS liaison officer		EHS liaison officer		EHS liaison officer	

II .Pollution emission and pollution control

Major environmental impacts caused by Quanta come from its waste water, waste gas, industrial solid wastes, certain municipal garbage, noise, and greenhouse gasses. With its Pollution Prevention and Continuous Improvement environment protection policy, we undertake to “reduce the generation of air and water pollution and waste for lessened environment impact”, and discharge waste water out into ambient water bodies only after being processed by the sewage treatment plant. Concentration of pollutants contained in exhaust emissions is far under the national standards and is of very little impact on the environment. Most of the solid wastes are recycled, those which are unrecyclable, both municipal garbage and hazardous wastes, are disposed of by qualified recycling service providers in harmless way.

(1)Wastewater

QRDC is a R&D building, and the Hwaya Plant is a production line, producing mostly living and kitchen sewage, which has a relatively small impact on the environment. In order to comply with the standards of the Hwa Ya Science Park management center, kitchen sewage must pass through an oil-water separation tank and be pretreated like ordinary living sewage. Moreover, the water quality should be tested every six months by a third party notary (including biochemical oxygen demand, chemical oxygen demand, aerosols, pH, temperature and fat). The proper functioning of the wastewater process system is evaluated based on the above mentioned test results, and is subject to the Special Discharge Operations Specifications for Waste Water to avoid waste water pollution caused by specific pollution source. Consequently, environmental impact are minimized through monitoring and measurement.



The production process of QSMC does not generate Industrial waste water. Disposal of small amounts of waste water from laboratories and equipment maintenance is outsourced to qualified recycling service providers. The remaining waste waters are municipal sewage, a total of 2,921,107 tons in year 2011, which are outsourced to Shanghai Songdong Water Environment Purification, under the Agreement of Sewage Management, for discharging subject to integrated discharge standards.

Living sewage quality inspection indicator - 2011				
Place of sampling	Item	Result	Sewage management standards DB31/445-2009	Unit
Wastewater Outfall	PH	7.52	6-9	/
	Color degree	2	60	Chroma
	SS	11	400	mg/L
	COD _{Cr}	41.9	500	mg/L
	BOD ₅	14.2	300	mg/L
	Ammonia	1.60	40	mg/L
	Vegetable oils and animal fats	0.1L	100	mg/L
	Volatile phenol	2.08X10 ⁻²	1.0	mg/L
LAS	6.35X10 ⁻²	15	mg/L	

Living sewage discharge statistics- 2011			
Plant	Displacement(ton)	Plant	Displacement(ton)
F1	125,299	F6	84,627
F2	118,355	F7	135,186
F4	137,975	Q-BUS	133,970
F5	102,422	H1/H2	23,815
Living Area	2,059,528	Total	2,921,107

The sewage generated by CSMC mainly originates from the employees’ office and living usage. Monitoring and inspecting of sewage discharge is conducted on a regular basis to ensure inbound sewage to sewage treatment plant meets the given standards. Total water consumption, for both production and living area, in 2011 reached 1.448 million tons. The CSMC has also been awarded the laudatory title of Water-saving enterprise in Jiangsu Province.

Monitoring and inspection results of sewage	Discharging outlet	Pollutants	Discharging concentration (milligram/liter)	Adopted standards (milligram/liter)	Total discharged amount	Maximum allowed discharge amount	Discharge to Municipal sewage pipe grid
	F0 plant Biochemical pool Outlet A2	COD SS NH ₃ -N Animal and vegetable oils	44.4 40.8 12.4 0.053	The Integrated Sewage Discharge Standards – Tier Three COD 500 SS 400	COD 42.9	COD 83.7	
	F1 plant Biochemical pool Outlet A4	COD SS NH ₃ -N Animal and vegetable oils	328 107 76.1 0.321		SS 14.2	SS 52.32	

Monitoring and inspection results of sewage discharged by QCMC

(2) Air pollution prevention

The main pollutants of QRDC are cooking fumes and the diesel generator, the Huaya Plant are IPA and lead. Targeting at the cooking fume, in addition to regularly washing the washable kitchen hood, the static electricity collector plates of the static electricity cooking fume purifier are also regularly replaced, while the diesel generator has been equipped with exhaust purification system, and the flue gas is regularly checked to ensure compliance with emission standards. The items checked include particulates, nitrous oxides and sulfur oxides. Both IPA and lead are used in small amounts in this plant. As a lead-free production process is adopted by this Plant, the discharging standards comply with filtering as well as monitoring and measuring by detection at the perimeter around the Plant.



There is no waste gas discharge at plants in Mainland China. Heated air in equipment ducts is discharged by high altitude emission through exhaust towers. The height of the said tower is 3 meters higher than any building within a 200 meter diameter range of each plant. Annual monitoring and inspection by qualified auditing firms indicates that national standards are abided.

Discharging outlet	Pollutants	Discharging concentration (milligram/cubic meter)	Adopted standards (milligram/cubic meter)	Total discharged amount	Maximum allowed discharge amount	Height of exhaust tower
F0 Plant Tin smoke exhaust outlet D1	Tin and its compounds	7.43 x 10 ⁻³	Integrated discharge standards for atmospheric pollutants Level II 0.85	--	--	16.5 m
F1 Plant Tin smoke exhaust outlet D2		5.86 x 10 ⁻³				
F1 Plant Reflow oven. I smoke exhaust outlet D3		2.47 x 10 ⁻³				
F1 Plant Reflow oven. II smoke exhaust outlet D4		6.16 x 10 ⁻⁴				
F1 Plant Reflow oven. III smoke exhaust outlet D5		7.33 x 10 ⁻⁴				
F1 Plant Reflow oven. IV smoke exhaust outlet D6		5.61 x 10 ⁻⁴				

Waste gas inspection results, QCMC

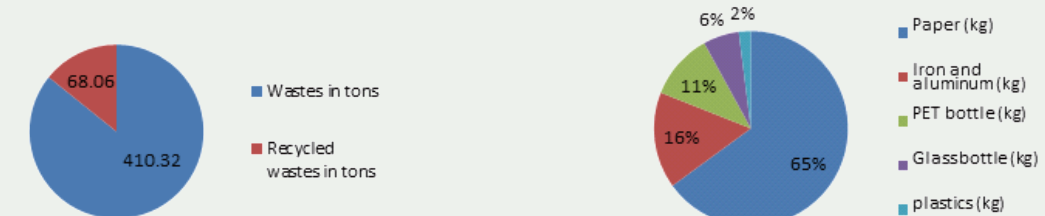
Indicator of waste gas inspection - 2011				
Place of sampling	Item	Discharging concentration mg/m ₃	Integrated discharge standards GB16297-1996 Level II	Height of exhaust tower m
SMT workshop exhaust port	Tin and its compounds	6.21X10 ⁻⁴	8.5	15
	Particles	4.14	120	
	Non-methane total hydrocarbon	3.68	120	
SMT workshop exhaust port	Tin and its compounds	5.34X10 ⁻⁴	8.5	
	Particles	2.95	120	
	Non-methane total hydrocarbon	4.73	120	
SMT workshop exhaust port	Tin and its compounds	2.13X10 ⁻³	8.5	
	Particles	5.41	120	
	Non-methane total hydrocarbon	7.52	120	
SMT workshop exhaust port	Tin and its compounds	7.27X10 ⁻⁴	8.5	
	Particles	1.97	120	
	Non-methane ~total hydrocarbon	5.49	120	

Waste gas inspection, QSMC - 2011

(3) Industrial waste management

Quanta focus on the reduction of production waste from the R & D stage, and try our best to reuse related packaging materials.

The total living garbage produced by QRDC and HwaYa factory in 2011 was approximately 410 tons, while recycled resources amounted to 68 tons. Amount of living wastes and recycled wastes are 268 tons and 56 tons respectively, a 34% and 17% jump compared with 2010. Increase in wastes comes from production line expansion and 43.5% in growth of personnel.



Yearly wastes proportion

Yearly recycled wastes proportion

Waste removal and processing operators approved by the EPA are used and the trucks are equipped with GPS to monitor their whereabouts. Furthermore, each truck must be weighed to keep record, while reports are filed on EPA's Industrial Waste Control Center Report System to ensure the flow of wastes and the processing status. Conduct plant auditing to ensure legitimate disposal of wastes and to avoid fraud from happening.



QSMC manages shop floor garbage by dividing it into hazardous and harmless for separate storage, collection, and disposal. Waste electronic components, ICs, and PCBs are disposed of by qualified green solid waste disposal service providers while the living garbage are dealt with by municipal environment cleaning agency. Major harmful wastes generated from Quanta's production processes are all entrusted to resource suppliers for harmless disposal.

Hazardous wastes disposal summary – 2011			
Hazardous Waste	Weight	Hazardous Waste	Weight
Waste paint	2kg	Waste oil cloth	9395kg
Waste oil/water	1938kg	Waste binder	1128kg
Waste organic solvents	2500kg	Waste Filter	28.9kg

Most wastes of CSMC are cartons and packaging materials. Both are disposed of by recycling service providers. Hazardous wastes, small amounts of PCB scratches, and solvents cleaning cloths are disposed of by qualified hazardous material disposing service providers. Total general and hazardous waste in 2011 was 6,832.07 tons and 0.38 tons respectively.

Recyclable solid waste generated by QCMC in 2011 weighed 2,692.67 tons and was disposed of by qualified recycling service providers.

Scrapped used Type	Quantity (Ton)
Pallets	764.31
Paper - carton	1613.75
Styrofoam / foam boxes	62.09
Plastics	228.31
Metals	24.21

Regarding non-recyclable solid waste, waste from the production process are collected at specific locations and removed by qualified cleaning service providers on a daily basis for harmless disposal. A small amount of non-recyclable hazardous wastes are moved and harmlessly disposed of by qualified service providers. These kinds of wastes totaled around 450 kg in 2011.

Waste Type	Weight (Kg)
Organic solvents (with rags)	300
Organic resin	50
Mineral oil	100

(4) Noise control

QRDC and Hwa Ya factory is classified as a class four noise control area, which has no significant external source of noise, most noises originate from the commuting vehicles. The ambient noise is tested every year and conforms to the required standards.



Timeslot control area	Volume (Leq)		
	Day	Evening	Night
Class one noise control area	50	45	40
Class two noise control area	60	55	50
Class three noise control area	70	60	55
Class four noise control area	80	70	65
QRDC	62.4	57.2	57.3
HuaYa Factory	68	63.8	63

Noise caused by plants in Mainland China is from machines, including cooling towers and air compressors, with a noise level at 80dB(A). It is reduced to below the upper limit of 65dB (A) in day time and ≤55dB (A) at locations one meter away from the boundary of the plant by using low-noise equipment and noise/vibration isolation facilities.

Place of sampling	Main Source	Result Leq			
		During the day			
Date 2011.09.07					
		Time	Measurement	Background Value	Result
1# 1 meter outside the east plant	Noise in the plant	16 : 00—16:35	55.1	53.9	55.1
2# 1 meter outside the south plant	Noise in the plant		61.0	59.6	61.0
3# 1 meter outside the west plant	Noise in the plant		51.7	49.8	51.7
4# 1 meter outside the north plant	Noise in the plant		53.4	52.1	53.4
Place of sampling	Main Source	Result Leq			
		During the night			
Date 2011.09.07					
		Time	Measurement	Background Value	Result
1# 1 meter outside the east plant	Noise in the plant	22 : 00—22 : 35	53.4	52.0	53.4
2# 1 meter outside the south plant	Noise in the plant		53.5	51.3	53.5
3# 1 meter outside the west plant	Noise in the plant		52.1	50.6	52.1
4# 1 meter outside the north plant	Noise in the plant		50.7	48.3	50.7

Noise detected around plant boundary	Noise detection position	Detected value (dB (A))	Maximum allowed value	Others (total amount control, regional reduction)
	C1	54.5 (Day) 50.1 (Night)	Noise Emission Standards for Industrial Enterprises Around Their Plant Boundary Limits of Level III 65 (Day) 55 (Night)	
	C2	53.5 (Day) 48.8 (Night)		

QCMC noise emission detected values

III. Environmental Impact and Regulation Compliance Certification

Quanta has been complying with the requirements given by national and local environment protection regulations since the foundation of each plant. All detected values from regular inspections are under standards given by relevant discharging and emission regulations.



In response to the government's initiations on environment protection and energy saving, CSMC improves its resource usage efficiency in its business operation by undertaking the Energy Auditing Project and Green Production Certification Project in 2011 and is certified by the Suzhou Environmental Protection Bureau and Economic Information Committee.



The inspection values of QCMC are approved by the Environmental Science Research Institute of Chongqing Municipal Environmental Monitoring Center in November 2011.

IV. Environmental accounting

Quanta has committed a great deal of resources each year to the prevention, maintenance and processing of water, air and waste pollutants. In addition, environmental protection related expenditures are also increase yearly, with the intention of contributing towards the Earth's environment.

2011 Environmental protection related expenditures Unit: NT\$

Number	Item	Amount(NT)	Ratio(%)
1	Waste removal and processing fees	1,148,896	9.60%
2	Wastewater is incorporated into the park processing fee	993,415	8.30%
3	Air pollution prevention equipment maintenance fee	661,500	5.52%
4	Sewage pre-treatment maintenance fee (removal of liquid waste)	240,000	2.00%
5	Wastewater pre-treatment equipment maintenance fee (oil/water separation tank)	330,000	2.76%
6	Park management center environmental quality monitoring and testing fee	337,272	2.82%
7	Environmental monitoring fee	133,980	1.12%
8	Air conditioner filter	683,928	5.71%
9	Forestation	2,088,000	17.44%
10	Project	5,239,910	43.76%
11	ISO-14001 Perception training	22,000	0.18%
12	ISO-14001 external auditing verification	94,400	0.79%
13	Others (purchase of kitchen waste recycling bins)	0	0.00%
	Total	11,973,301	100%

QSMC is undertaking the protection of the environment and saving energy by adopting high-performance production equipment, improving the production process, using alternative water treatment agents, developing and purchasing green electronic components, and disposing of hazardous wastes legitimately with a huge amount of investment. QSMC is determined to lessen the impact caused by business operations on the environment with solid actions and plans.

Total environment protection expenditure of QSMC was 18.82 million dollars in 2011. The lion's share, 15 million, was spent on air compressor heat recycling, adding inverters to air conditioners and heat pump system

improvements. Another 2.5 million was used for hazardous waste temporary location planning, greening, existing environment protection and energy saving equipment replacements and upgrades, and maintenance of fundamental environment protection facilities. Disposal of hazardous wastes and miscellaneous environment inspection projects like environment inspection and monitoring cost the remaining 1.32 million dollars.

Annual expenses of CSMC on Environment, Safety and Health, including equipment purchases, environment inspection and monitoring, labor protection supplies, and fire extinguisher equipment was 5.224 million dollars in 2011 with 4.194, 0.364, and 0.725 million going to environment protection, safety and occupational health respectively.

Item		RMB
Environment protection	1 Environment monitoring and inspection	21,300
	2 Energy saving and discharge reduction projects	594,180
	3 Environment hygiene	2,247,020
	4 Plant greening and planting	447,724
	5 Three-types-wastes disposal	877,508
	6 Environment protection training, campaign and program	3,241
	7 Other temporary environment protection items	2,838
Safety	1 Safety protection (supplies/ equipment)	294
	2 Three-concurrent construction project	107,950
	3 Safety retrofit projects	50,421
	4 Inspection instruments, special equipment inspection expenses	106,726
	5 Firefighting	68,309
	6 Firefighting/safety campaign and training	18,624
	7 Other temporary safety items	11,868
Occupational health	1 Field occupational health inspection expenses	4,900
	2 Three-concurrent construction project	115,000
	3 Occupational health exam expenses	200,278
	4 Occupational health training, campaign and program	16,092
	5 Occupational health protection supplies/ equipment	325,500
	6 Other temporary occupational health items	4,237
TOTAL		5,224,010

Total environment protection expenditures of QCMC was RMB 2,017,996 dollars in 2011, most of it went to waste disposal and harmless processing, waste water disposal, environment impact monitoring and inspection, and environment protection equipment and projects.

Risk assessment and crisis management

I .Risk assessment

In 2000 and 2004, Quanta obtained the ISO14001 environmental management system and OHSAS18001 occupational safety and health management certification. Based on the Environmental Consideration Management Plan and the Occupational Safety/Health Risk Assessment and Management Operations Plan, key departments of each plant are required to assess and update the contents of the environment appraisal and risk assessment table of last year based on changes in processes and operations. In addition, combined evaluation is performed according to the environmental or safety hazard level, scope of impact and occurrence frequency etc., thereby prioritizing them based on the level of risk. Major risks are controlled by specific management projects while minor ones are managed by operation processes and flow.

As for significant environmental and occupational safety/health risks, they will become the foundation on which environmental safety/health management policies, the formulation of environmental safety/health management objectives, targets and management plans are based. Individuals in charge of the implementation of various plans must employ the various monitoring, recording or control methods in the environmental or occupational safety/health management systems, in turn conducting audits on the progress and performance of the plans, and report the findings to the environmental and occupational safety/health management team.

In response to emergencies, actions are taken to lessen the risks of severe personal injury and property loss. From 2002, as for assessing higher risk incidents, the firm has stipulated relevant response contingency plans; to ensure proper control and handling by timely and effective actions. Currently there are 19~22 mature contingency plans in operation, including firefighting contingency plan, chemical leak contingency plan, typhoon (flood) contingency plans and snowstorm contingency plan etc. These contingency plans were reviewed and registered at the local work safety management center in 2011 and the contingency plan system was also highly recognized.

Through constant review and improvement in the systems, all potential environmental impacts and occupational safety/health risks generated by raw materials, R&D, equipment, construction and operation during routine or non-routine company operations are effectively identified, thereby formulating the necessary improvement measures and operational procedures.

II .Crisis management

Multiple operation methods and check plans were adopted by Quanta to avoid potential damages. When emergency accidents or safety hazards occur, there will not be sufficient decision making time and room for coordination, therefore ordinarily safety and health related personnel are required to identify all potential emergency situations where accidents may occur, formulate the emergency reaction plans and protocols. Fundamental perceptions on response measures are strengthened to achieve the basic objectives of disaster prevention by reducing the occupational accident rate and improving overall response capability.

(1) Firefighting training and drill

Fire is one of the key risks to be controlled by Quanta and is committed to the firefighting philosophy of Prevention First and Integration of Protection and Elimination. All employees required to accept firefighting and safety training. Multiple whole-plant fire evacuation drills are held each year, involving all employees from the day or night shift. Each firefighting squad carries out their duties dutifully, making sure all employees, guests and

visitors are evacuated to safety by following the evacuation routes. In addition to official response team organization for the annual professional training and drills that to improve emergency handling capabilities. Multiple firefighting drills are organized each year so that the colleagues may gain a deeper understanding into disaster prevention and the correct ways to deploy fire extinguishers.

The annual QDRC Fire Drill Week campaign 2011 not only integrated the entire education advocacy on accident prevention, but also invited colleagues to participate in relief exercises and experiences for better perception.



QSMC holds at least three whole-plant evacuation drills, including both day and night shift operators, each year. Each floor is equipped with evacuation guidance devices to help evacuation controllers in case of an emergency.

Company fire brigade in evacuation drill

Evacuation controller with guidance device



Evacuation guidance device

Evacuation drill



QSMC, together with the Songjiang Public Security Fire Brigade, holds a series of programs: firefighting arts show, advanced rescue equipment demonstration, large scale evacuation drill, response measures taken by living zone personnel in case of fire at dormitory, and firefighting drill supported by Songjiang Public Security Fire Brigade, to improve personnel firefighting and safety perception. More than 600 entities came to QSMC for visit and spoke highly on response measures of firefighting taken by QSMC personnel.

Firefighting and evacuation drill scene



For its outstanding performance and realistic manner towards firefighting and public security. In 2011, QSMC was awarded as an advanced unit for firefighting work in the Songjiang District, Shanghai again.

“Advance Unit for Fire Fighting”



Firefighting facilities of each CSMC plant are inspected and maintained by professional firefighting firms to ensure normal operation of fire alarm and auto fire extinguisher systems. New operators are required to go through three levels of security training courses before working on the line. Every employee MUST know his/her own working position's and neighboring area's fire dangers and response and evacuation measures.

Four fire extinguishing knowledge training sessions and drills plus two whole plant fire evacuation drills were held by CSMC in year 2011 to embed evacuation capability in realistic evacuation drill of each employee. A volunteer fire brigade has been set up to improve internal rescue and firefighting capacity. This internal brigade is equipped with firefighting equipment and trained regularly so that in case of any fire disaster on-the-spot rescue and firefighting functions can be performed before external firefighting units arrive for better human and property protection.



In addition to the “Four Fire Fighting Capability” campaign, supervision and management tasks in 2011, QCMC also works together with local firefighting departments for professional technique and support. Firefighting units of Shapingba District where QCMC is located help us in our firefighting campaigns and drills for an improved regional fire safety and management level.



(2) Reaction plan to Fukushima radiation event

The Fukushima radiation event caused by the earthquake in Japan on 2011-03-11 made many consumers worry about radioactive contamination of end products. Being a socially conscious enterprise, Quanta is obliged not only to protect employees' safety but also to provide contamination free products to lessen their concerns. QSMC has been watching the air quality reports published by the Environmental Protection Bureau, Shanghai since day one of its availability and purchased one radiation detector to monitor radiation exposure of incoming goods.

Radiation detector and on-site inspection



(3)Typhoon (flood) contingency plan

Super typhoon Plum Flower brought strong winds and heavy rainfall to Shanghai in August 2011. QSMS started its typhoon (flood) contingency plan immediately to monitor the weather situation, relay the disaster status, and initiate rescue and relief actions as specified in relevant plans. In addition to inspecting drainage within plant, objects around plant perimeter are secured and precautions on typhoon are publicized to ensure safety and security. After the typhoon, the contingency plan initiation operations are reviewed to improve it for future.



Real-time monitoring of typhoon track



Trees reinforcement

In addition, in case of emergency responses for chemical or gas leaks, underground oil tanks, power failures and earthquakes, seminars and drills are held to strengthen the emergency response personnel's familiarity towards handling accidents, so that they may be mobilized to quickly arrive at the scene of accidents and contain or eradicate the threat.

III .Contractor responsibilities

The 2004 version of ISO 14001 Environment Management System includes contractors as associating parties to be controlled. Contractors' working process within the plant is strictly supervised according to the Contractor Safety Management Policy to prevent personal injury and property damage from happening during operations.

(I)Contractor information management:

All contractors must fill in basic contractor information when entering the factory for the first time and be evaluated by Quanta's occupational safety/health management unit for their operational safety capabilities.

(II)Safety/health terms of agreement

The contractor is required to fill in the contractor safety/health environmental operating regulation, which regulates the contractor's commitment in the plant and the relevant occupational safety/health items that should be observed in accordance with the law.

(III)Informing construction crew of potential hazard

Before entering the plant, the contractor's construction crew must read the workplace environment and hazardous element notification carefully; after signing, the contractor may enter the plant to perform work. The contractor should prepare the relevant safety equipment or measures in accordance with the requirements on the notification.

(IV)Work operations permit:

After the worker education and training is completed, the contractor must fill in the Work Application Permit, which should be approved by the engineering unit and occupational safety/health unit before work may commence.

(V)Special operation permit

If the work process involves fire, operating within limited space, scaffolding operations, nighttime illumination, hoisting, organic solvents, chemicals or high voltage electricity, it is considered as a special operation and must apply for special operation permit.



(VI)Construction venue inspection:

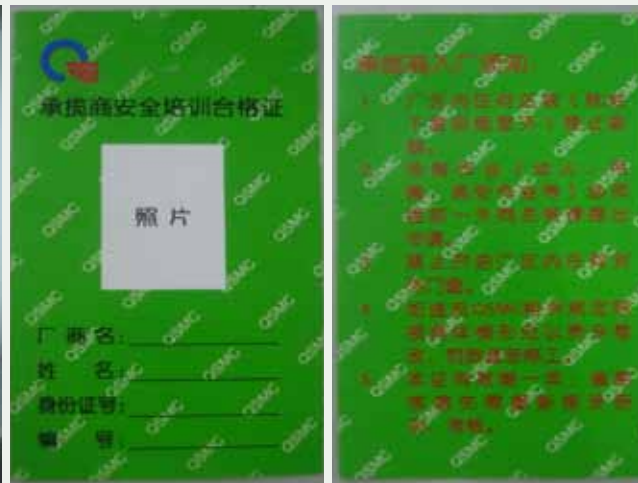
In addition to routine plant area inspection, the environmental unit also needs to conduct random inspections at applied construction sites, paying special attention to those with special operations and implementing the contractor management system. Moreover, violations will be fined and filed into the contractor management system for future reference when selecting contractors.



Contractors working within the plant are required by QSMC to attend the weekly industrial safety training courses provided by its occupational safety and health management department. Contractors who pass the training are given certificates to ensure the management policy and relevant operation safety standards are fully recognized. A total of 11,785 workers from some 400 contractors have passed this training program in 2011.



Training room



Front and back of the training certificate

The EHS management team of QCMC provides training courses for operators and supervisors from contractors. Total course attendants are 1,800 from more than three hundred contractors.



In addition to Contractors training, contractors are also requested to sign a Commitment Letter on Safety and Health and a Safety Agreement. The workforce of the contractor is requested to wear discernible helmets and construction vests. Such operations can only be performed when safety person present at the site for supervision.

IV. On site medicine services

The following services are provided to maintain employee health and safety, avoid occupational injury, and to take effective measures for prevention and health improvement:

- > Medical prevention/treatment and health counselling on occupational and general diseases
- > Analysis and assessment for physical and health examination records of employees
- > Health risk assessment for workers of high health risks
- > Health education, promotion and hygiene guidance for worker



V. First aid personnel training

To ensure injured personnel with first aid, especially with respect to emergency aid and CPR, each plant is equipped with a proper number of first aid personnel, e.g. every 100 personnel are staffed with one such staff at CSMC. The first aid personnel at each area are selected based on the number of employees and location and are trained by the Red Cross of Changshu City. Currently there are eight "First Aid Stations" installed in each working area. These stations are established based on factors of number of workers and easy access and are equipped with frequently used injury dressing drugs and supplies for on the spot injury/disease treatment.



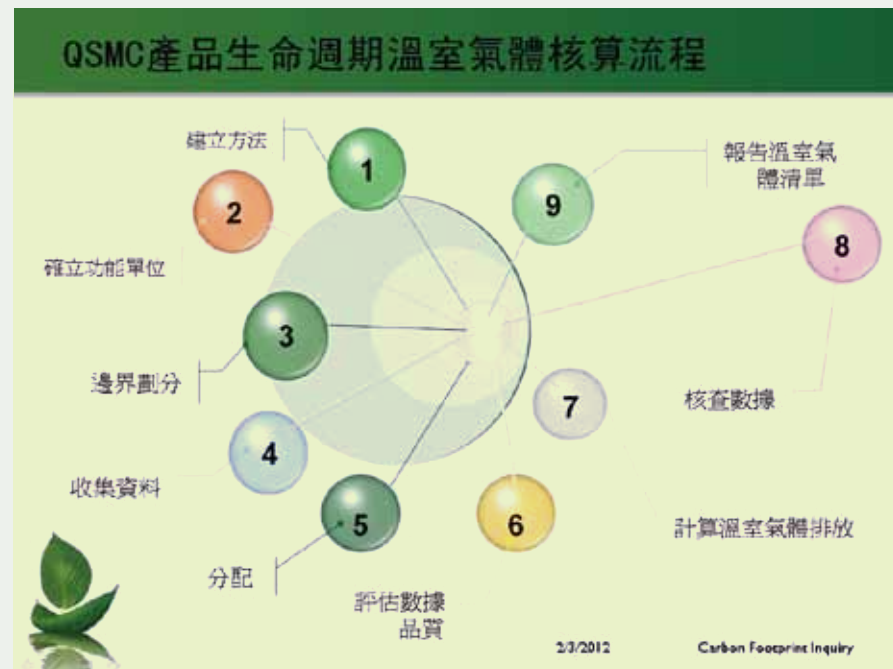
Greenhouse gases and climate change

I. GHG management objective and policy

The GHG management goal and strategy of Quanta is: Formulate company strategy and guidelines on carbon management, reduce carbon emission, energy and resource reutilization, create a comprehensive carbon management information system, conduct information gathering and quantified assessment/analysis, optimize corporate planning and management, reduce operating costs and the environmental impact.

II. ISO 14064 GHG verification

With the ever increasing effects of greenhouse gases (GHG), it is commonly accepted that enterprises should and need to disclose and reduce their GHG emissions. QSMC of Quanta set up its ISO14064 system management platform in 2011. The ISO14064 promotion committee was created the same year to apply this enterprise GHG calculation software.



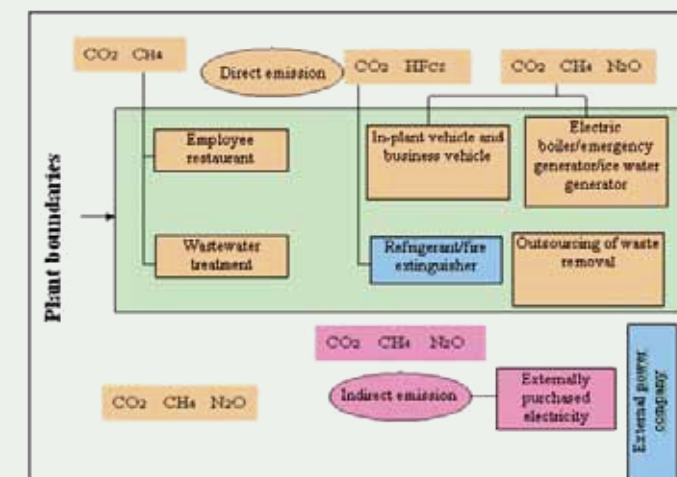
QSMC calculated the carbon discharge of multiple products according to the Product life-cycle GHG emission evaluation system and the specific production process of its own in the year of 2011. QSMC also compiled carbon discharge data of customers, suppliers and waste disposal services. Using Simapro 7.2, the software for checking carbon discharge, QSMC worked 8 months to compile CO₂ emission of raw materials, components and products during different stages, thereby establishing the QSMC-GHG database. With this database, we are enabled to identify carbon consumption of components or products of a similar type, providing references and bases for the company in selecting product materials and production equipment in the future.

In February 2011, 24 employees of QSMC acquired an ISO14064 internal auditor certificate. In August, QSMC acquired the ISO14064-1:2006 verification from SGS, a leading status in this industry and highly recognized by most customers and relevant institutes.



III. Carbon disclosure

Quanta initiated the greenhouse gas inventory in 2008 and has set the year as the benchmark inventory year; within the framework of ISO14064 and based on the boundaries of the Hwa Ya plant in Taiwan, the scope of the first category emission source investigation include emergency generators, electric boilers and natural gas for restaurants etc.; the scope 2 is primarily based on externally purchased electricity (such as Taiwan Power Company), the scope 3 concerns the outsourcing of waste treatment.



IV. GHG management

【QRDC】

Quanta QRDC and Hwa Ya plant's GHG carbon emissions in 2011 were 23,035.7(ton/CO2e), an increase of 8,436.19 (ton/CO2e), or 57.78% as compared to the 2010 figure of 14,599.51 (ton/CO2e). Caused by big jump in power consumption as a result of plant expansion in 2011 and more production lines. Scope 2 externally purchased electricity already constitutes 97.78% of the firm's total carbon emissions, therefore energy conservation is currently the main direction of focus for the firm in terms of carbon reduction.

2011 carbon emission inventory

Source of emission	Scope	Emission volume (Ton/CO2e)	Ratio (%)
Externally purchased electricity	2	22525.3	97.78
Gasoline	1	4.2	0.02
Diesel	1	8.5	0.04
CO2 gas	1	0.2	0.001
Wastewater	1	56.3	0.24
LPG	1	173.9	0.75
Incinerator	3	267.3	1.16
Total		23035.7	100%

GHG Emission(ton CO2e/Y)

year	Scope 1	Scope 2	Scope 3	Total
2008	663.84	13,429.64	212.32	14,305.80
2009	562.02	12,133.48	209.17	14,073.80
2010	241.05	14,225.42	133.04	14,599.51
2011	243.1	22,525.3	267.3	23,035.7
	0.01%	58.34%	100.90%	57.78%

【QSMC】

In 2011, the total carbon emissions for the plant and living areas was 312,188.6 tons, (Out of it, 14,964.2 tons went to direct GHG emission, 297,224.4 went to indirect GHG emission), in particular, scope 2 electricity was the main source of GHG emissions, constituting 98.8% of total emissions in QSMC.

The annual total energy consumption of QSMC is: total electricity consumption is 345,930,000 KWH, 4,954,055.2 cubic meters of natural gas, 69,256.4 KG of diesel (81,478.1 M³), 84,190.9 KG of gasoline (116,125.4 M³), and 3,020,000 tons of water.

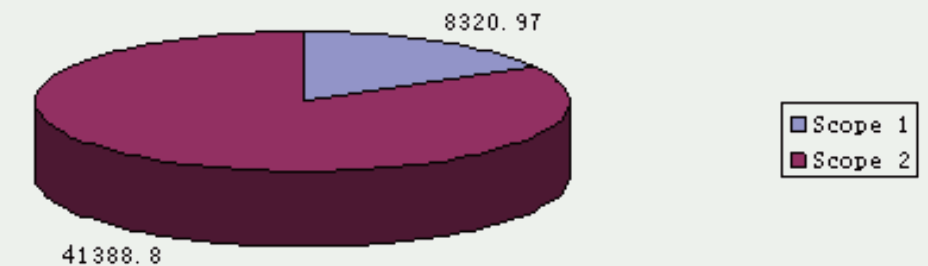
Scope 1 includes diesel for emergency generators, fuel consumption for business vehicles, firefighting training and refrigerant for air conditioners; scope 2 mainly consists of externally purchased electricity.

【CSMC】

CSMS began conducting GHG inventorying in accordance with ISO14064 in 2009, In 2011, inventorying the GHG emission from production and living was limited to scope 1 and 2. Scope 3 and other indirect GHG emission inventorying was not involved. Scope 1 includes emergency generator diesel, business vehicle fuel consumption, natural gas usage, and refrigerant for air conditioners; scope 2 consists of mainly externally purchased electricity.

Total amount of carbon discharge amount by CSMC (including both plant and living districts) in year 2011 is 49709.77. Carbon dioxide equivalent tons with 8320.97 tons of it went to scope 1 and 41388.80 tons to scope 2. Emission proportions from various categories are illustrated below:

GHG Emission Chart



The natural gas energy used is for boilers and kitchens in living area. A total of 3,007.63 cubic meters of natural gas was burned in 2011 and equaled 6,293.35 Carbon dioxide equivalent tons.

【QCMC】

In year 2011, F0 area went into production in April, F1 in August, and F2 in October. There are five production zones, F0, F1, F2, P1 and P2 in operation. The living zone was open for operation in October 2011.

Starting from F0 zone in April to F2 at end of 2011, energy and resource consumption are: 16,884,731 KWH of power, 69,292 tons of water, and 14,250 liters of gasoline (for company cars) for production zones and 1,219,193 KWH of power, 75,373 tons of water, and 237,683m³ of natural gas for living zone.

V. Energy saving and emission reduction measures

【QSMC】

> The SMT production line introduced the PCW system energy saving project to replace cooling equipment with a PCW system for centralized cooling of the production line's Nitrogen furnace in January 2011. Total savings in that year was 1137600 KWH and the carbon reduce with 977.43 tons of Carbon dioxide equivalence.

> Replace all the T8 fluorescent lamps with T5 energy saving ones. Total annual savings is 2221300 KWH and the carbon reduce with 1908.54 tons of Carbon dioxide equivalence.

> The heat pump system energy saving project connected the top floor heat ducts with big heat ducts to supply cooling air to top floor office area with ice machine in summer and autumn. Total power saved from its introduction in September 2011 to the end of the same year is 43440 KWH and the carbon reduce with 37.32 tons of Carbon dioxide equivalence .

【CSMC】

Eight energy saving measures, 7 for power and 1 for natural gas, are proposed and exercised for a reduction of 282.67 tons of equivalent CO₂.

No.	Item	Saved resources	CO2 equivalent (ton)
1	Fresh air supply for winter and spring seasons to C3 plant.	177624 kw power	151.51
2	Lighting improvement for smoking room of canteen at C3 3F.	235kwh power	0.2
3	Heat recycle system for air compressor room at C3 plant	3094.74 m3 Natural gas	6.48
4	Disable one 1600 KVA transformer in A1 plant	118634.15kw power	101.19
5	Exchange 75A air compressor at A1 plant with the 37A one at C plant	19872kwh power	16.95
6	Projection light for food stand improvement plan for C plant	124kwh power	0.11
7	Revise number of power saving lights at LD 2F canteen	6918.24kwh power	5.9
8	Segment power control for vending machines in living zone	386.13kwh power	0.33
Total			282.67

【QCMC】

Energy and power consumption (CO₂ emission reduction) has been reduced at each plant by lighting optimization and decreases, drinking fountain energy saving mechanisms, air conditioning temperature control, T5 tube adoption, air compressor inverting, and air conditioning water pump inverting.

Love the Earth through Environmental protection and Energy Conservation

To advocate environment protection and energy saving ideas, strengthen perceptions and promote cultures, the EHS management team has designed relevant training programs for environment protection awareness, ISO 14001 system common sense, environment and occupational safety and health regulations, and line management staff EHS training courses, as well as penetrated to the production line for knowledge exchange. In addition, internal emails and bulletin boards are used to publicize selected environment protection and energy saving subject. Regular EHS management committee meetings are hold to share and discuss with EHS liaison officers to improve performance of environment protection and energy saving within Quanta.



I. Electricity conservation

Electricity has always been one of the largest energy consumptions of the firm, through relentless promotion and implementation by the management department, electricity conservation is now a basic understanding and habit of every employee.

> Architectural structure: Use of skylights to increase interior lighting and wide stairs to decrease elevator usage.

> Energy conservation facilities: Use fluorescent lights with electronic stabilizers; install infrared sensors in parking lots, elevators and areas with less people, so that the lights are only switched on when people are detected to conserve electricity. Add black screens to lower radiant heat and decrease power consumption by air conditioners. Add electric curtains to protect direct sun light and reduce air conditioning power consumption in the west section of entrance hall.

> Lights out during lunch break: Lights are turned off for one hour during lunch break.

> Office nighttime illumination: Lights are divided into regions of 6~8 lights per region, employees working overtime may use desk lamps. Lights out when employees away from the seat for more than three minutes, or no one in use in the same light control area to avoid unnecessary power wastage.

II .Water conservation

- > Infrared sensor type taps help to achieve water conservation.
- > Rain sensor: Detects rainfall so that the sprinklers will not operate during or after rainfall to avoid water wastage.
- > Auto sprinkler system management: improve the inspection of auto sprinkler system to avoid water waste caused by system mal-functioning.



III .Central control system

- > Office air conditioning on each storey is regulated automatically by a central control system, maintaining the temperature at 26°C in order to conserve air conditioner energy. Employees are encouraged to dress light during summer through promotions so as to reduce loading on air conditioners and avoid wastage.
- > Switch and surveillance system for illumination and air conditioners in conference rooms, exterior corridors and laboratories are controlled simultaneously to prevent forgetting to switch off the air conditioner after meeting. The effective monitoring and controlling in turn decreases power wastage.
- > Parking lot: Under the premise of not affecting interior air quality, the operation of ventilators in terms of quantity and time is regulated according to peak and off-peak hours. By doing so, 4,900KWH of air conditioner electricity usage may be saved every month.
- > Replace evacuation direction indicator light to LED lamp for power saving.
- > Without impact on safety, reduce number of lights in aisle for power saving.



IV .Convenient life reduces carbon footprints

- > Establish convenient stores, bookstores, ATMs and cafes to strengthen regional service function and reduce traffic volume, thereby attaining the objective of carbon reduction.
- > On-site service: add on-site services for banking (three banks), telecomm, and travel.



V .Alternative transportation

- > Create carpool networks: Provide information platforms.
- > Commuter bus: There are 19 lines of commuter buses for employees
- > Bicycles: Establish bicycle parking lots to encourage short distance employees to ride bicycles to and from work. Through energy conservation and carbon reduction, 2.5kg of CO2 may be saved per kilometer.
- > Year-end Party: Add commuting coach for big events and encourage car pool to reduce CO2 emission from transportation equipment.



VI. Environment forestation and bio-diversity

- > Expand green space: Plant trees and protogenic species around the plant area to create a ecology for the symbiosis with birds and insects. Shrubs are cultivated for small areas.
- > Strengthen forestation of balconies.
- > Cultivate pot plants in interior space
- > Eco-diversity education and management: Add tree species tag, tree doctor diagnosis to avoid plant disease caused by insects.



- > Stress environment protection in the neighborhood of the company. Colleagues of regional communities in Mainland China also conduct various environment protection campaigns frequently.



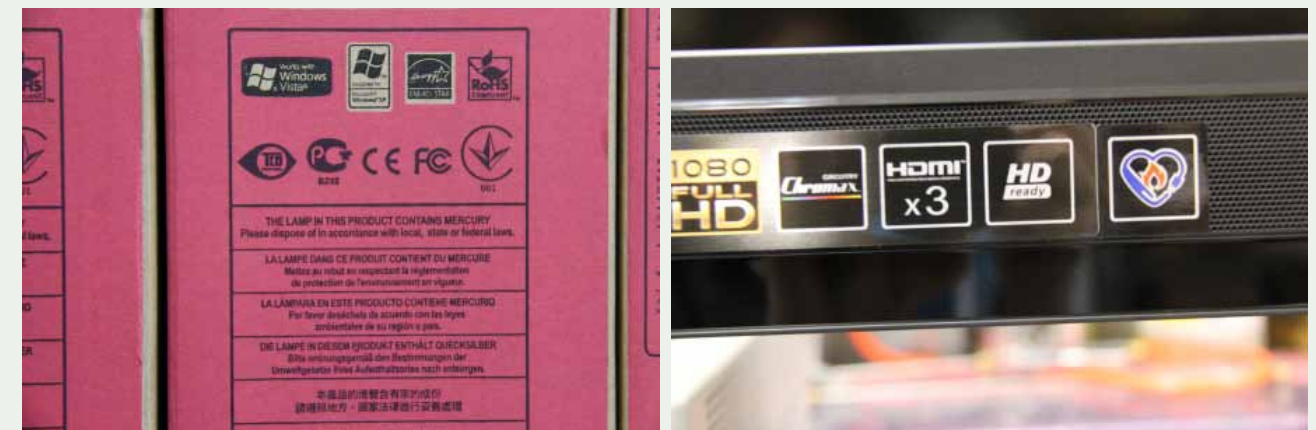
VII. Paper conservation

- > Digitization of payroll paper: Replace printed payroll paper and reduce carbon footprint.
- > Electronic bulletin boards: Set up digital signage and email notifications.
- > The Three Tier Safety Training Log Online Management system developed by QSMC: convert paper log to online one at plant, shop floor, and work group levels and save paper costs for about RMB 10,000 per year.



VIII. Green purchasing

Purchase products with eco-label such as Energy Star to promote green consumption and green purchasing.



IX. Promotion of organic food and vegetarianism

Production of 1kg of beef creates an equivalent of 36.4kg of CO2 in terms of GHG emissions. Quanta offers natural macrobiotic meals at the employee cafeteria to promote the benefits of organic fruits and vegetables.



廣達2011GP供應商說明會

日期: 2011.3.29~3.31
時間: 13:20-16:45

会议议程

Time	Topic	Presenter
13:20-13:40	開會	PDC (CN)
13:40-13:45	開幕	PDC-Ethan Wu SQE-Grace Kuo
13:45-14:35	廣達Green Policy介紹	OSP-Angie Yu PDC-Ethan Wu
14:35-14:55	測試報告與文件要求	Johnny Shih
14:55-15:05	休息時間	—
15:05-15:45	廣達MD-PDM系統介紹	Bush Wang (QSMC)
15:45-16:15	廣達環保政策及規範介紹	CTI Ethan Wu
16:15-16:45	Q&A	Johnny Shih CTI
16:45	結尾	—



HOTLINE
400-6788-333

Green supply·Green Quanta

- Green Policy and Quality Management System
- Green Supply Chain Management
- Green Procurement
- Green Design and Production
- Green Packaging
- Green Accomplishments and Prospects

Green Policy and Quality Management System

“Fulfill Green Enterprise” has always been the quality policy and guideline that Quanta follows. It contains Quanta’s long-term attempts at sustainable management and promoting green environmental protection competitiveness, it’s also the goal that Quanta’s people work toward together.



While the international environmental protection issue continues to have an impact on the electronics industry, the European Union’s RoHS instructions have already become the basic requirements for the industry. In 2011, Quanta is continually growing with its customers. In addition to complying with related laws and regulations strictly, Quanta conforms to all kinds of environmental protection requests from customers, and expects to upgrade its green competitiveness in this green wave.

In recent years, the halogen-free requirement from brand-name customers has been a big challenge in the green material management ability of Quanta. After improving management procedures several times and upgrading the examination ability of its GP laboratory, Quanta has full confidence in its ability to control halogen-free production to provide environmental protection products that can satisfy customers’ and the market’s expectations.

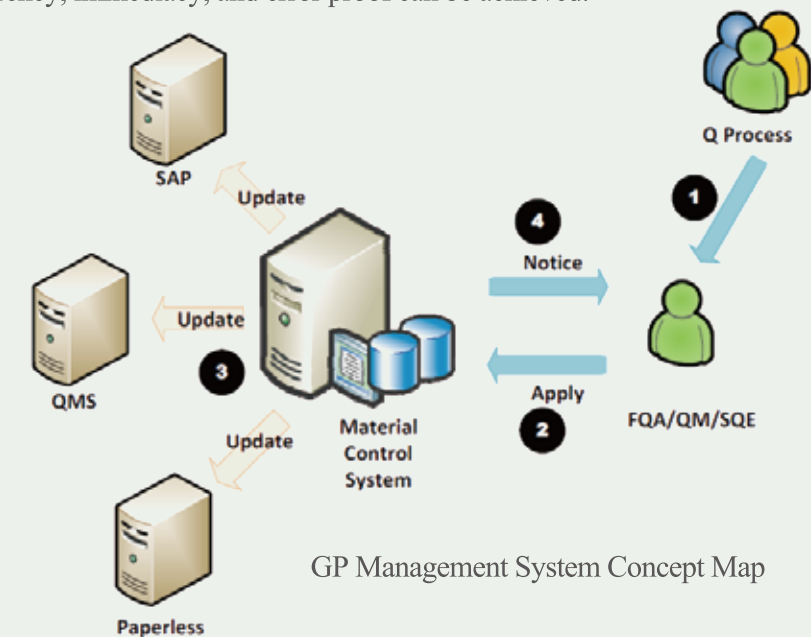
In addition, in the Directive 2011/65/EU, the European Commission prioritized the RoHS assessment of HBCDD, DEHP, BBP and DBP. This directive also officially announced the new scope of RoHS management. The control of BFR (Brominated Flame Retardant) and PAEs (phthalates) has started in the electronics industry.

Quanta also aggressively communicates on these issues with suppliers and investigates related substances through part management system. At present, we are working to comply with the requirements of PAEs (DEHP, BBP and DBP) and related legal requirements and have equipped ourselves with associated inspection abilities, in order to ensure that our materials comply with the legal and customer requirements.

I .Green quality assurance, QC 080000 Hazardous Substance Production Management System

Quanta’s Quality System is prepared in accordance with Quality Assessment System and Hazardous Substance Process Management System Requirements set forth by ISO and IEC. Quanta has attained both ISO 9001 certification and IECQ 080000 Management System Certificates. Strict environmental protection requirements are realized via the QC 080000 Hazardous Substance Process Management System. All products comply with relevant international environmental protection laws and statutory requirements as well as green product requirements of the customers.

Quanta invested a lot of resources in hazardous substance system management. Many management procedures were also carried out, especially for suppliers’ management, and their products had to pass the examination of Quanta’s internal laboratory. Quanta always regards products’ environmental protection performance as a quality issue; to ensure customers’ rights and interests and avoid products’ misusing harmful materials, Quanta has actively developed a systematized GP management system. The system can avoid personnel communication problems caused by time differences that lead to the product’s misuse or rework so that the system management efficiencies of transparency, immediacy, and error proof can be achieved.



II .The Provision of Green Products and satisfaction survey

In the process of green product production, Quanta has paid a lot of attention to trends in international regulations and actively seeks feedback from customers. Therefore, Quanta has carried out surveys on green product satisfaction every year with customers and pays special attention to product satisfaction in order to comply with international regulations and market expectations.

In 2011, of the total of 216 survey items (36 questionnaires, each with 6 items) we received, over 40% are ranked with highly satisfactory ; particularly higher ranking in “fluency of communication channels” and “product and specification compliance”.

In green product management, by investigating and exploring survey items with a lower score in “speed of abnormality management”, we expressed our attitude in the careful management of green abnormality and found the rooms and targets for improvement as the indicator of our green product and service in 2012. Quanta expects to provide greener products for customers and the public in 2012’s green product development.

Analysis on "Very Satisfied" hits in Customer satisfaction survey (from 36 questionnaires of the GP customer satisfaction survey)



Note: "Very Satisfied Item" refers to items with a score of 4 (the highest score) in the survey.

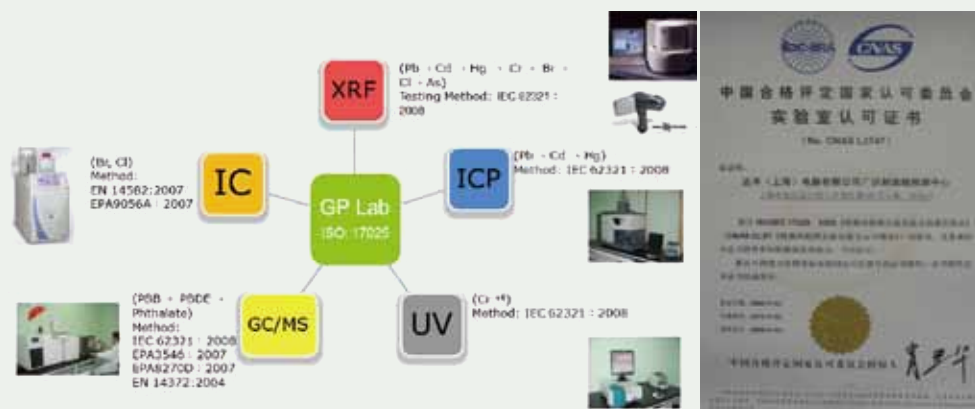
III. Green Product Committee

In order to carry out Corporate Social Responsibilities (CSR), Quanta established a CSR Committee in 2009 led by Chairman Barry Lin, who delegated corresponding liabilities to four committees including the Green Product Committee that takes care of R&D for green products. The Green Product Committee also regularly meet with respective business divisions and relevant units, including Procurement, QA, Production Lines, Product Design Center, and others to discuss trends and methods for compliance with international statutes and customer requirements from 2005. This is to ensure that all the manufactured electronic products not only comply with requirements of international green statutes but also provide contribution to electronic industry.

IV. Green Product Laboratory (GP Lab)

In July 2008, our laboratory in Shanghai passed the laboratory accreditation from the China National Accreditation Service (CNAS), which is an equivalent to the ISO 17025. And is able to carry out tests for hazardous substances such as lead (Pb), Cadmium (Cd), Mercury (Hg), Six-valence Chromium (Cr6+), polybrominated biphenyls (PBBs), polybrominated biphenyls ethers (PBDEs), Chlorine (Cl) and Bromine (Br). Also, we implemented control over hazardous heavy metals like arsenic (As) and phthalates.

Inventory of GP Lab Instruments and CNAS Accreditation certificate

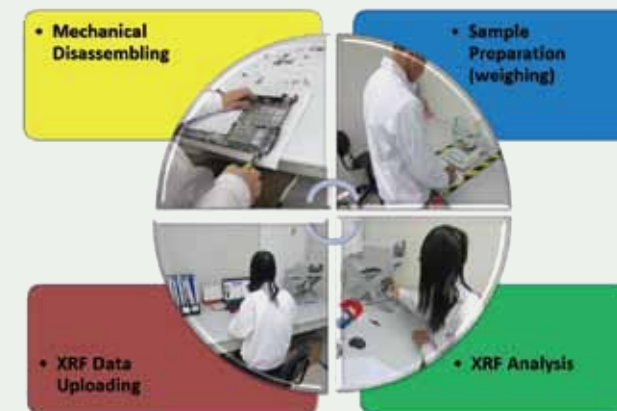


To assist customers in promoting and providing competitive environmental protection products, Quanta carried out a series of method developments in the Shanghai laboratories in 2011. We implemented the GC/MS inspection methods with full inspection items to identify and control phthalates to ensure that the PAEs content in product meets the customer requirements and thereby to realize Quanta's green quality policy.



GC/MS phthalates inspection ability and method development processes

To cope with the production base expansion, the scope of services of GP Lab also expanded. In June 2011, we built the GP Lab in Chongqing to provide faster and just-in-time laboratory services for our Chongqing factories. At present, Chongqing GP Lab is equipped with the XRF and some chemical analytical equipment. We already have adequate capacity to independently examine RoHS controlled items. And We have also established a quick contact process for communicating with the Shanghai Lab to provide us with further examinations. It can then be delivered to a Shanghai laboratory with chemical analysis ability for examination and analysis right away in order to avoid producing products with material that do not comply with environmental protection standards.



New GP Lab at Chongqing in China (June 2011).



Quanta Group GP Laboratory Allocation

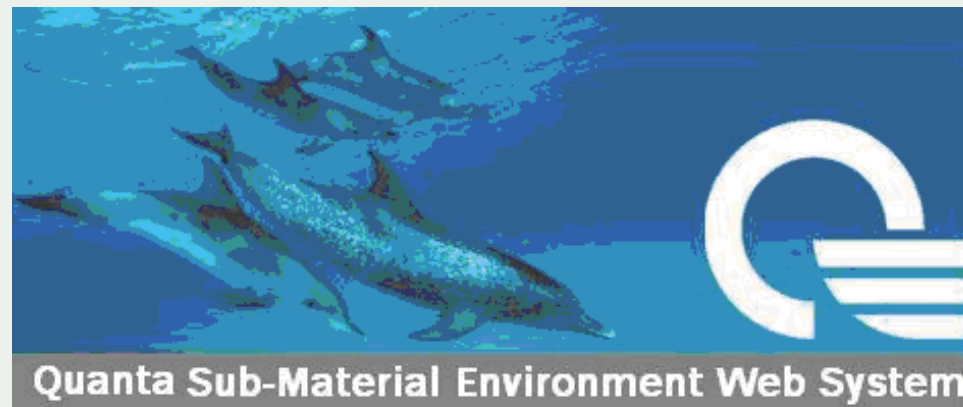
Green Supply Chain Management

I . Selection of Green Suppliers

Quanta has cooperated with suppliers in producing green products. In order to enhance environmentally friendly design and production by the supplier, in addition to a “Letter of Commitment to Environmental Protection” signed between the supplier and Quanta, the company has requested suppliers to pass tests performed by certified supporting laboratories for the delivered goods and declare the test report. At the same time, Quanta implements random inspections according to categorized Risk Management while accepting materials, with samples sent to Quanta’s GP Lab for Hazardous Substance Monitoring.

In order to effectively communicate with suppliers and manage the huge database, the company has established web pages at green.quantacn.com and sub.quantatw.com, to control raw materials and auxiliary materials, respectively that are purchased by the company. Since 2006, Quanta hosted a Green Suppliers Seminar to actively promote effective management of Design Origin and Supply Chain.

sub.quantatw.com



✧ ABOUT US

Welcome to the homepage of Quanta Sub-Material Environmental Web System. The purpose of the network is to investigate sub-materials contained in products shipped to QCI and provide information regarding the environmental aspects of products.

In order to promote sustainable development, Quanta’s ambition is to work only with suppliers who are environmentally responsible, and who are committed to continuous environmental improvement. Therefore, all suppliers are required to complete this survey for product environmental approval.

Some content on this site has access restricted to member only. If any problems of signing up for this service and receiving access to this site, please contact the service provider.

[廣達電腦環境政策](#)

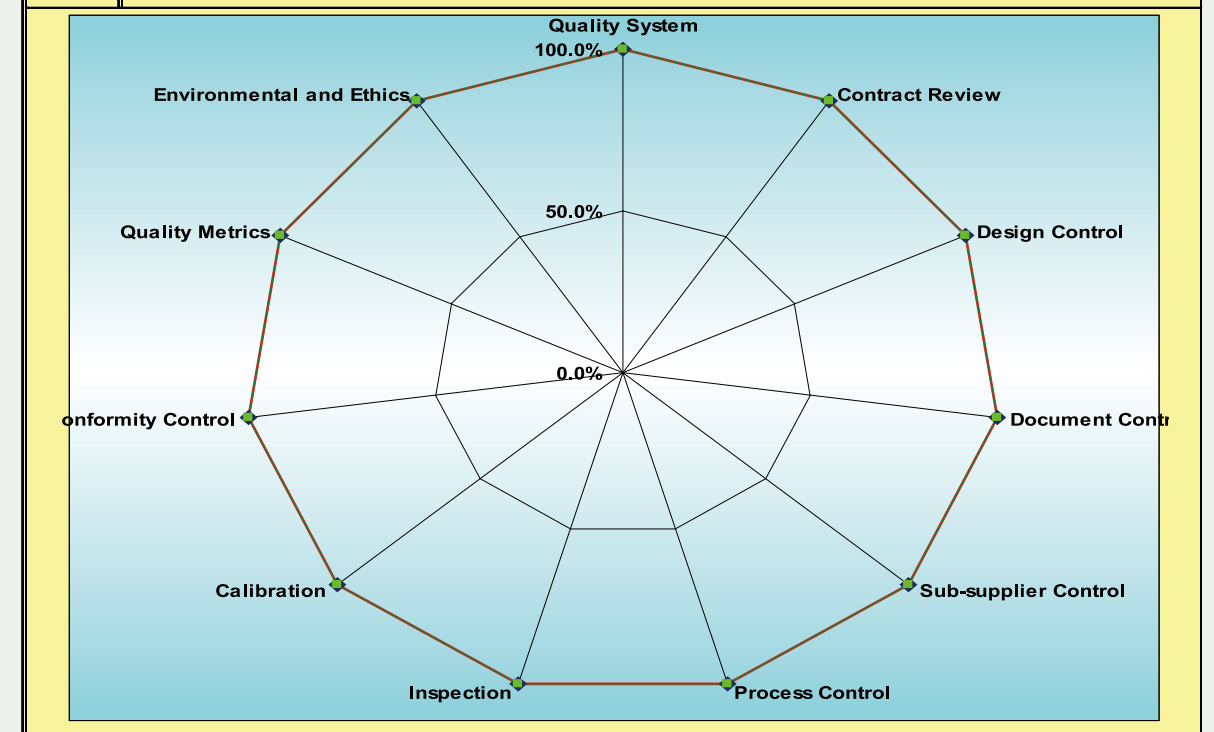
[Quanta ISO 14001 Policy](#)

[Quanta OHSAS 18001 Policy](#)

Quanta carefully screened new candidate suppliers in 12 major aspects (see Table below), of which the environment, ethics and green product management are indispensable items. Only a healthy supply chain can provide materials and products that support the sustainable operation of enterprises. Quanta is eager to promote and spread this concept to upstream and downstream businesses to jointly contribute to protecting the Earth’s environment.

Categories of qualifications for ratifying candidate suppliers

Item	Qualification Category
1	Quality System
2	Contract Review
3	Design Control
4	Document Control
5	Sub-supplier Control
6	Process Control
7	Inspection
8	Calibration
9	Nonconformity Control
10	Quality Metrics
11	Environmental and Ethics
12	Green Product Management



II. Green Supply Chain Management

In the Green Supply Chain Management System, Quanta requests Tier 1 suppliers to set up relevant management systems, e.g., ISO9001 and ISO14001 validation, to ensure products made by Quanta do not violate any quality specification or requirement. Quanta also perform on-site audits for hazardous substance management addressing the ISO Management System to confirm the supplier conforms to Quanta's green policy and corresponding solutions, so as to eliminate risks of non-conformities and achieve effective and beneficial management.

To cope with the latest international legal requirements, such as REACH (DIRECTIVE 2006/121/EC) and other industrial standards, and controlled substances as required by customers, we amended our Green Material Standards in the first half of 2011.

The production of low-hazardous content green products begins from green material control on the supply chain. To ensure that all Quanta suppliers are familiar with REACH and understand Quanta's green policy requirements, we organized four supplier congresses in Taiwan and China in March 2011. More than 960 suppliers attended these congresses, had reached 68% of qualified (approved) vendors of Quanta. In doing so, we ensured that parts and components supplied by Quanta and used on Quanta's final products comply with the green material standard, are absolutely hazardous-substance-free, and contain no pollution.

Table1 Four suppliers congresses held by Quanta in March 2011

Congress	Area	Place	Time	Attended Suppliers	Qualified Vendor Rate
1	Taiwan	GIS-NTU Convention Center	3/23	360	68%
2	China	Songling Hall, Quanta China	3/29	120	
3	China	Everbright Hall, Shanghai City	3/30	300	
4	China	Everbright Hall, Shanghai City	3/31	300	



Supplier Congress held at GIS-NTU Convention Center, Taiwan



Supplier Congresses held at Songlin Hall and Everbright Hall, China

III. Environmental Requirements over Supply Chain

Quanta sets up environmental specifications for all parts according to requirements of international industrial standard JIG-101. In case the customer requests more strict specifications, the unit for setting up environmental specifications (e.g., Product Design Center) will assist in performing differential analysis and set forth specially customized control requirements.

Suppliers are requested to upload necessary information/data to Quanta's environmental website and must be audited based on requirements of Quanta GP Management. The supplier shall assign a trained QC engineer to visit the plant and review and query, item by item, the content of the control file and the corresponding supporting data (i.e., the supplier is required to set up a management system for complying with GP Management requirements, which includes material/parts acknowledgment, purchase, material acceptance, production processes and delivery/shipping management). In case the supplier fails to pass the audit, a deadline will be set for improvement; those who fail to improve as requested will be eliminated.

For the management of upstream suppliers, caution is taken about whether the supplier abides by hazardous substance restrictions and customer's specific control requirements. Via Process Control Flowcharts, procedures including part acknowledgement, purchasing, material acceptance, production process, delivery, and so on are strictly monitored; after material/part acknowledgement, an acceptance inspection is also performed before the material/part enters the plant for production use.

While carrying out manpower allocation for executing tasks, the existing workforce is adequately employed and environmental requirements are incorporated into management of daily-tasks in the existing process for searching environmental statutes, reviewing supplier documents, implementing requirements of green supplier management system, and verifying compliance of delivery goods; by way of information technologies, ruling principles are incorporated into systematic inspection of the Green Product Management, for saving manpower and avoiding any human error.

During the production process, semi-finished and finished goods are scanned with hand-held XRF equipment for critical-point random inspection. In case of any doubtful piece, the production will be stopped immediately in order to clarify the problem. The production will be resumed only when conformity is confirmed. Environmental management is not only performed on general parts; all the auxiliary materials that are easily omitted (such as soldering pastes, tin filaments, glues, markers that are used in the production process) are subject to risk assessments, with different levels of control measures carried out to secure total prevention.

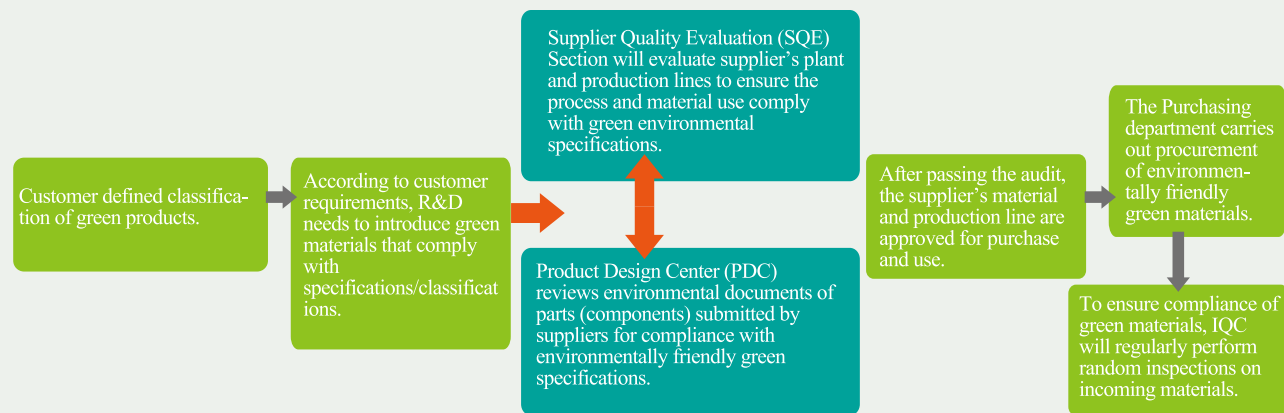
And finally, there is a link with the SAP System for a compliance check before delivery. All products shall be confirmed by the delivery-compliance check for being released for shipment. By way of multi-level control mechanisms of the Information Technology platform, all the incoming material, the production processes and the delivered goods are guaranteed to conform to Green Product requirements.

Green Procurement

Regarding Green Procurement, Quanta Purchasing Department requests that part (component) suppliers comply with environmental standards for all their materials and production processes. Each of the suppliers of materials or modules, based on a different environmental classification, shall upload the environmental classification of its plant (process) and material via Quanta's parts/materials validation system (Agile, PDM). After this is done, it can obtain acknowledgement of PDC/SQE review and auditing and the Quanta Purchasing Department can place orders accordingly via the electronic purchasing system.

Additionally, even for acknowledged suppliers within the system, Quanta IQC still performs random tests to ensure that products delivered conform to the acknowledged classification. This is to ensure that all the products delivered by Quanta conform to environmental specifications.

From the front-end design to mass production, the purchasing department is responsible for ensuring that suppliers and their supply of materials match the production schedule. In case of any problem in the process of promoting Green Products, the purchasing department will communicate with the supplier immediately for a timely production of the green product.



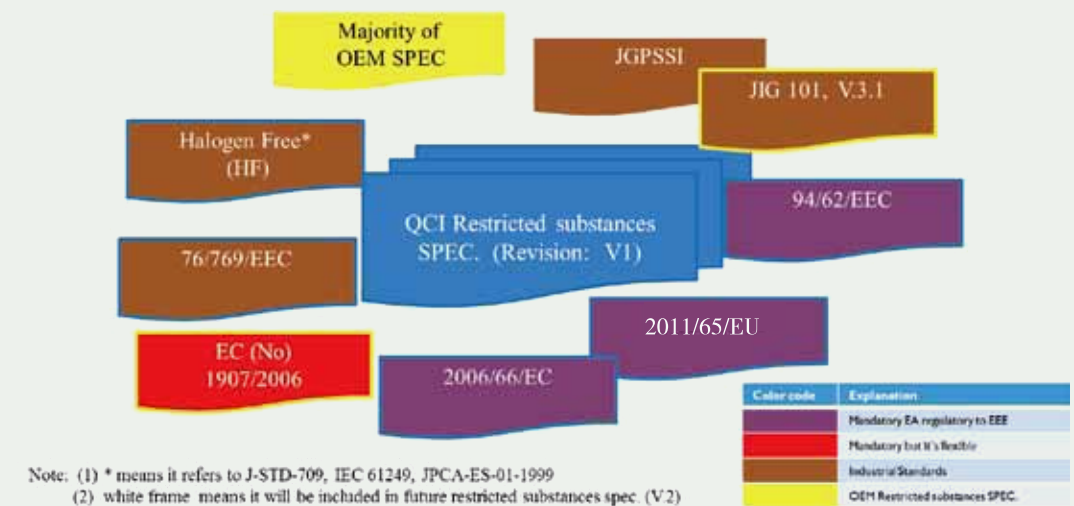
Flowchart of Green Procurement

Green Design and Production

With the rise of environmental awareness in countries and NGOs around the world, the relevant legal requirements are increasingly stricter. Also, consumers are more willing to buy green products with eco-friendly designs. As one of the world-leading OEM computer manufacturers, we see and feel the importance of green design and green production. Therefore, we positively face the green push and rise of environmental protection. From product R&D, product design to production, we take into account and implement green factors, such as being toxin free, energy saving, and resource saving, to electronic and electrical products, in order to enforce corporate citizenship, such as protection of the environment and the health of end users, and thereby contribute to the sustainable development of earth.

I .Toxic Free

Besides ensuring the compliance of related mechanical and electrical products, we have established complete standards and principles to control restricted/hazardous substances, such as our ISO document Green Material Standards (ES-02-001). To ensure compliance with international legal requirements, such as REACH (DIRECTIVE 2006/121/EC), other industrial standards, and the restricted substances control requirements of customers, we amended our green material standards in the first half of 2011.



The related electronics directives and industrial standards in the Green Material Standards Quanta updated

II .Energy Saving

Energy conservation has been gaining weight in recent years. In order to enhance the energy efficiency rate (EER) of products and to reduce the emissions of greenhouse gases (GHG), all notebook computers produced in 2011 complied with Section 5.2 of the US Energy Star standards (please see "Green Accomplishments" for details).

Also, we used the IEEE 802.3az-compliant energy saving chip in one of these notebook products ahead of the industry, in order to save more energy. The IEEE 802.3az is the standard for a set of Energy Efficient Ethernet (EEE) enhancements by IEEE. In short, it is the specification for energy-efficient Ethernet. Computers complying with the IEEE 802.3az can reduce energy consumption on both sides of the link when there is no Internet or Ethernet activity. When there are Internet or Ethernet activities, normal power supply resumes.

III .Resources Saving

Right in the product design phase, we already consider the 3R design (reduce, reuse, and recycle) of products, in order to devote to dematerialization and the use of post-consumer recycled content resin. In addition to realizing Quanta's commitment to the sustainable development of earth, we implemented green design to effectively green business opportunities and help brand owners to apply for the green logos of respective countries.

Green Packaging

“Green packaging” rose to the mainstream in 2009, with the rise of the awareness of environmental protection; and “recycle and reuse” also became an issue inspiring designers to keep looking for the environmentally friendliest materials. In a product, the use of the environmentally friendliest materials in packaging is the easiest way for people to immediately identify the manufacturer’s effort to promote environmental protection. “Paper” immediately became a new favorite, as it is easy to recycle, cheap, flexible, scalable, and contains less pollution.



For these reasons, design engineers gradually changed buffering packaging materials from EPE (plastic) into paper (recycled paper). In order to make paper stronger for packaging, complex designs for buffering materials began. For example, designers began to seek for the best design and how to make paper stronger.

As paper is the sole material, design became comparatively important, including model testing, package layout, and space saving. In the first half of 2011, we tried to find substitutes, such as bamboo pulp, stone paper, husk bio-plastic, etc; and the Quanta Product Design Center became a pioneer continuously sharing and providing new technologies for different business units. We seek professional instructors to share these new technologies and let engineers with great ideas recommend good and useful concepts to customers. In doing so, we are enforcing Quanta’s green vision in the virtuous interactions between frontline business units and customers.

In the second half of 2011, new concepts were injected into environmental protection. In addition to recycling and reusing, a new concept in the industry: 2012 Green Design = Recycle + Reuse + Reduction. Instead of reducing materials used on product, it is to link up everything used in the production process with environmental protection and effectively reduce material consumption in the entire process.

People began being concerned about “consumptives and fuel” as a result of raw material saturation, environmental changes, and the rise of the price of oil and daily necessities. The reduction of the summation of sums is environmental protection! Apparently, materials at the customer side have gradually changed. For example, the change of the buffering material from paper to EPE, which is more expensive but less eco-friendly in our perception. Why did they do that? It is because EPE is lighter and more stable. Although it is more expensive, as it can be recycled and reuse, it is lighter and saves shipping cost, it thus became a good solution for saving energy (oil price)!

Although the synergy of this new environmental protection concept cannot be seen overnight, besides affecting the planting of native species for the long run, FSC-accredited artificial forests emerged, (it is a pulp accreditation from primitive forests where over-logging is prohibited through management, a process for pulp-making from tree plantation through logging and production to re-plantation), this allowed Quanta to start a new packaging concept.



FSC純100%來源標章



FSC混合原料標章

(若有再生標示·就為 FSC混合再生原料標章)

Green packaging may denote different things at different times in different spaces. As new technologies and ideas emerge continuously, the ultimate goal to protect the earth and create a beautiful living environment will never change. Quanta will continue to work this out.

Green Accomplishments and Prospects

Green Accomplishments

Our performance in applying for worldwide eco-logos with qualified products manufactured in 2011 is shown in the table below. As performance shows, instead of a slogan, “green product” is already a reality at Quanta. In terms of EPEAT, the products we produced in 2011 comply with at least the EPEAT silver medal, and they are environmentally friendlier and greener than 2010!

Green Performance Statistics 2011

Green Label Award Type	Country	Product Category	
		NB	All-in-One
EPEAT	US	Gold Medal:20 Silver Medal:19 Bronze Medal:0	Gold Medal:2 Silver Medal:6 Bronze Medal:0
Taiwan Green Mark	Taiwan	1	3
TCO	Sweden	1	0
Japan PC Green	Japan	17	0
EU Flower	Europe	0	2
Energy Star	US	56	27
e-standby	Korea	37	13

Green Prospects

With the enactment of various new restricted substance standards or directives for electronics products and the worldwide focus on the energy efficiency rate of products, we will survey the feasibility of promoting the positive list of hazardous substances, in order to replace the present negative list method, which is unable to immediately reflect the compliance with the latest regulatory and legal requirements. Also, to sharpen the green design and green technology of Quanta, and to save time and energy of suppliers and R&D staff to re-examine the toxicity and hazards of all parts and components with reference to the new regulatory or legal requirements, this policy will be on its way.

To ensure products comply with the energy

requirements and standards to be enacted by countries in the world in 2012 and 2013, our Product Design Center (green product validation unit) will pay attention to the relevant legal and statutory requirements at planned intervals and will voluntarily participate in the discussions of relevant legislative hearings and express our opinions on feasibility for the drafts, in order to ensure these legal requirements executable, and are achievable by our R&D and design teams; and the compliance of our products.

Quanta is continuing to devote effort to green design and green innovation technology. Hope the earth’s resource consumption can be reduced effectively, and will move toward the goal of sustainable development of the earth’s resources.



Truth, Goodness, and Beauty

- Knowledge Sharing and Equal Wealth through Culture – Quanta Culture & Education Foundation
- Quanta Arts Foundation – concerned with the impact of arts and culture
- “Heart”: the soul of Quanta efforts for Social Caring

<“Rueli -The habitat of Quanta Immersed In Arts”

We have conducted designation since 2011 and hope this can provide students and communities with a good reading, multimedia, and arts space.

We proposed the designing concept for the demands of discovering the characters of Rueli and being thoughtful to the children, and there were a total of 4 issues which were schools and education, ecological environment, industry and landscape, and literature and history.

Knowledge Sharing and Equal Wealth through Culture – Quanta Culture & Education Foundation

306 activities in exhibition R&D, sponsors, educational touring exhibitions and promotions were carried out in 2011 with total participants numbering 266,300.

I .Exhibition R&D and Sponsors:

Types	Name of Activity
Exhibition R & D	National Palace Museum -“Celebration by Marc Chagall” Exhibition
	National Palace Museum/Zhejiang Provincial Museum -“Landscape Reunited – Dwelling in the Fuchun Mountains” Exhibition
Exhibition Sponsors	National Museum of History/United Daily News -“Masterpieces from Musée National Picasso – Paris” Exhibition
	“The Memorial Exhibition of Max Liu”
	The fifth Cam Your True Exhibition – Exit/Entrance
	The nineteenth Innovative painting competition for Children in Taichung
Caring society, support public welfares	E-classical FM99.7 – Quanta Music Box
	Project 88 – Quanta Rescues the Campus Five-Year Action Plan
	Promotion Fund for Hsinchu Dahu Elementary school Harmonica school team

II .Educational touring exhibitions / Education Activities

A.Educational touring exhibition

There were 10 large Education Exhibitions touring simultaneously in 2011. Every Exhibition had one or two copied exhibits and in total 15 exhibits displayed on campus. The average was to tour a school (unit) for 15~30 days, and the total tours in 2011 were 176 and the total number of attending people was about 236,246. This activity went throughout Kinmen, Lienchiang , Penghu , Lanyu in Taitung, and other islands and every city and county in Taiwan.

B. Educational Activities

Types	Name of Activity
Educational Exhibition	Quanta “Immersed In Arts19” The great adventure of looking back the ancestor’s Landscape - Dwelling in the Fuchun Mountains Exhibition.
	Quanta “Immersed In Arts18” The Store only for Marc Chagall’s Love and Beauty
	Quanta “Immersed In Arts17” Dynastic Renaissance – a great fun of the trend in Song Dynasty
	Quanta “Immersed In Arts16” Insect Exhibition – a Big Insect Band
	Quanta “Immersed In Arts15” To hug Van Gogh – Explore the Palette of Life
	Quanta “Immersed In Arts14” Secrets in the Sky – Tour the Starry Sky with KAGAYA
	Quanta “Immersed In Arts13” Getting Treasure from the master – Millet Exhibition
	Quanta “Immersed In Arts12” Mind Castle of Niki
Educational Touring	Quanta “Immersed In Arts10” The Grand Education Fair of Song Dynasty
	Quanta “Immersed In Arts1 ” Art Urchin , Max Liu – Explore the world
	Teacher Training Camp: Depend on different content and area, there were 20 exhibitions held and totally 3,000 teachers attended.
	Little Art Vanguard training: There were a total of 60 training camps held in the art galleries in the north, center, south, and east respectively, and an estimated 3,360 Little Art Vanguard were trained.
	Music all over the campus in Taoyuan County: There were a total of 6 schools guiding the tour and an estimated 6,166 people attended.
	Quanta Immersed In Arts Award – Award for Master of the Guiding Tour and Creative Teaching. There were a total of 554 competing; the top three and several excellent works were selected to receive awards.
	Quanta Immersed In Arts : Wander Vogel Program – Explore the love and beauty of Marc Chagall in France: 14 children admission as art seeds to French Museums to experience learning and interact with native French.
	Explore Beautiful Taiwan: Select four teams of elementary school teachers and students to explore the local beauty of Taiwan and encourage children to know their own land and to develop their ability of finding and solving problems.

Quanta “Immersed In Arts1” Art Urchin , Max Liu – Explore the world



Little Ladybugs had a happy parade on the street, and it made the quiet rural area suddenly lively.

(100.01.07/ WanLuan Elementary School in Pintung County)

Quanta “Immersed In Arts10” The Grand Education Fair of Song Dynasty



The little guiding vanguards introduced “Children Playing in an Autumn Garden” by English drama

(100.06.10/ Guopi Elementary School in Kaohsiung County)

Quanta “Immersed In Arts12” Mind Castle of Niki



After little vanguards from Ming Yang High School went deep to understand the creative process of Niki’s feminist, they shared the navigating content to make all the audience profoundly feel the unique life experience of Niki.

(100.07.22 / Ming Yang High School in Kaohsiung City)



The little vanguards prepared small gifts by themselves to give the students who answered the questions correctly.

(100.11.08 / Sihwei Elementary School in Pingtung County)

Quanta “Immersed In Arts13” Getting Treasure from the master – Millet Exhibition



The Joint opening of “Getting treasure from the master Millet Exhibition” in Chiayi County-Used local bamboo as an outdoor exhibition field combining with the school feature “Little Tea man” to let people enjoy the paintings and taste the tea.

(100.9.22 / Rueli Elementary School in Chiayi County)

Quanta “Immersed In Arts14” Secrets in the Sky – Tour the Starry Sky with KAGAYA



Guided tour of the little vanguards.

(100.03.03/ Nan-Shi Elementary School in Taoyuan County)

Quanta “Immersed In Arts15” To hug Van Gogh – Explore the Palette of Life



The guiding volunteer from universities guided the tour for the children at the neighborhood

(100.09.28/ National Formosa University)

Quanta “Immersed In Arts16” Insect Exhibition – a Big Insect Band



The little guiding vanguards dressed as insects to guide the tour (100.10.25 / Sin Shen Elementary School in Taitung City)

Quanta “Immersed In Arts18” The Store only for Marc Chagall’s Love and Beauty

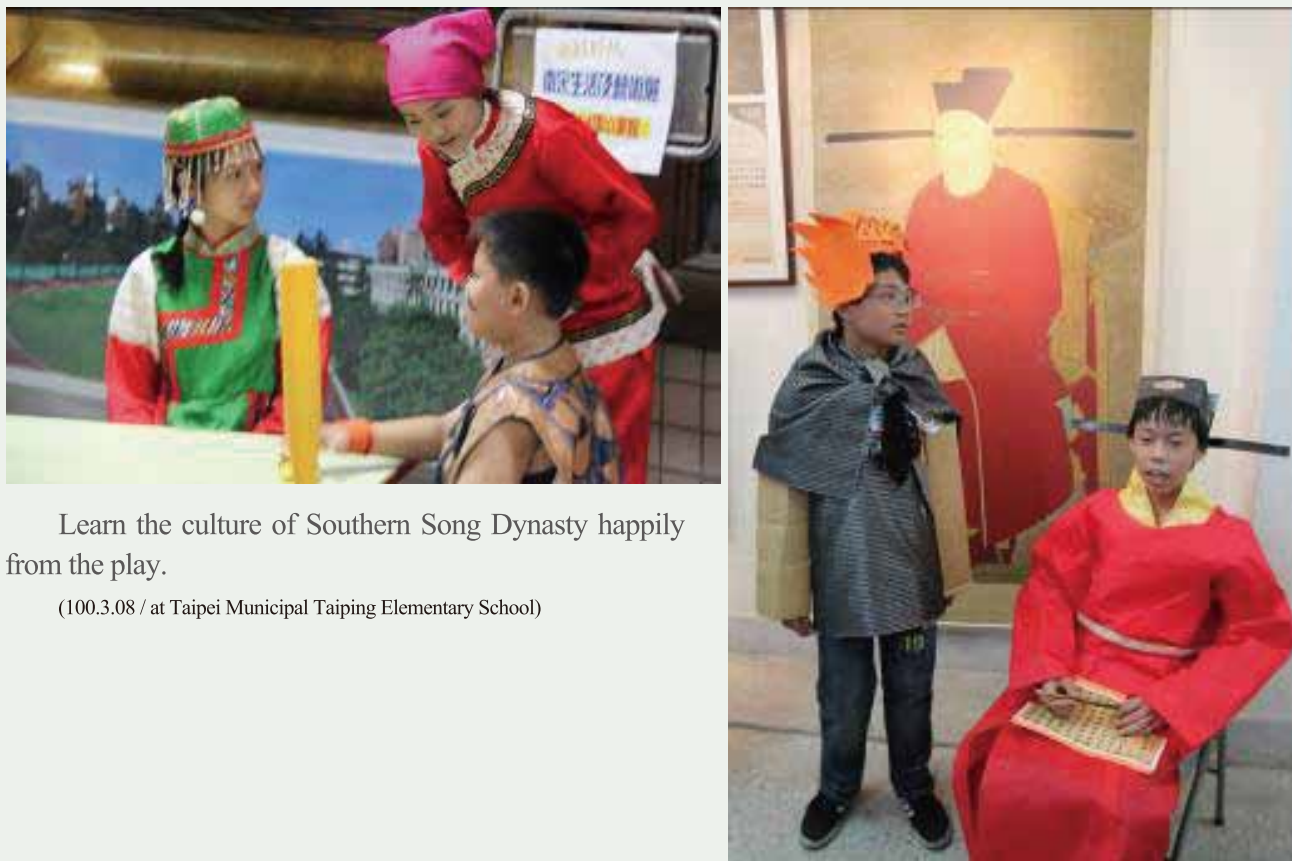


The little vanguards introduce the remarkable life of Marc Chagall by the play. (100.09.14 / Chung Cheng Elementary School in Penghu)

The little vanguards of Dong-Chin Elementary School in Taitung County came all the way from Lanyu to Taiwan to attend the training activities, and the children were very happy!

(100.09.22 / at Taitung National Museum of Prehistory)

Quanta “Immersed In Arts17” Dynastic Renaissance – a great fun of the trend in Song Dynasty



Learn the culture of Southern Song Dynasty happily from the play.

(100.3.08 / at Taipei Municipal Taiping Elementary School)

Quanta “Immersed In Arts19” The great adventure of looking back the ancestor’s Landscape - Dwelling in the Fuchun Mountains Exhibition.



Children learned ink painting, calligraphy and seals on the fan.

(100.11.2 / at Houlong Elementary School in Miaoli County)

Sign up by calligraphy – give children chances to experience and learn.

(100.10.4 / at Wai-She Elementary School in Taoyuan County)

III .88 floods – Quanta statement on school rescue 5-year plan About 100 schools and 28,500 students and teachers benefited.

Stage 1 – Rescuing schools and assisting students plan

A. “Dharma Drum Mountain Liugui Township Study Assistance Plan”

- «achievement 1» Scholarship for Great Contribution in Education was awarded to 624 students, 376 teachers and volunteers from 9 schools
- «achievement 2» (Life Education High School Camp in winter vacation) 66 students, 4 teachers 30 staff from Liou-Guei Senior High School
- «achievement 3» Back to hometown to do part-time job in summer vacation
- «achievement 4» Charity dinner subsidized 6,588 people in Liou-Guei Senior High School



B. “Namaxia Township Family Aid Rainbow Work Station Plan”

- «achievement 1» Studying Assistance for students: Lower grade students cram in elementary school 136 people / teacher volunteer training 10 people, school cram teachers / volunteer training 10 people
- «achievement 2» Scholarships for “Learning Bank Book” 423 people
- «achievement 3» The program of developing students’ specialty 362 people
- «achievement 4» The reading corner for children 65 people/ NT\$ 100 thousand for Min Tsu Elementary School to buy books
- «achievement 5» Preparation of venues and employment of volunteers in Namasia



Stage 2 – School Resettlement Plan

A. “To Win with Books” Deep Plowing Reading Program

Provide the schools suffering from the flood created by typhoon Morakot and the schools lack of library resources with a chance to apply for this program, and selected Luman Elementary School and Zhonghe Elementary School in Chiayi County to donate 2,856 books to and the book donation ceremony was held at Luman Elementary School on June 29th!



B. “Book Touring Plan”



Jhen Nan Elementary School in Yunlin

The teaching plans of creative reading, the reading activities to extend creativity, the art creations and life education for the first grade to the sixth grade students in for partial township schools in Yunlin. The successful lesson plans will also be put on the internet to share with everybody.



Ming-Dao Culture & Education Foundation

Conducted book tour, teaching of creative reading, reading activities and other activities in four elementary schools whose students are mainly the Bunun people in Sinyi Township in Nantou County, and commissioned the illustrators to keep company with those children.



Caterpillar Philosophy for Children Foundation

Conducted a book tour, training of seed reading teachers and volunteers, and teachers seminar in 14 schools of the four foundations in Taitung

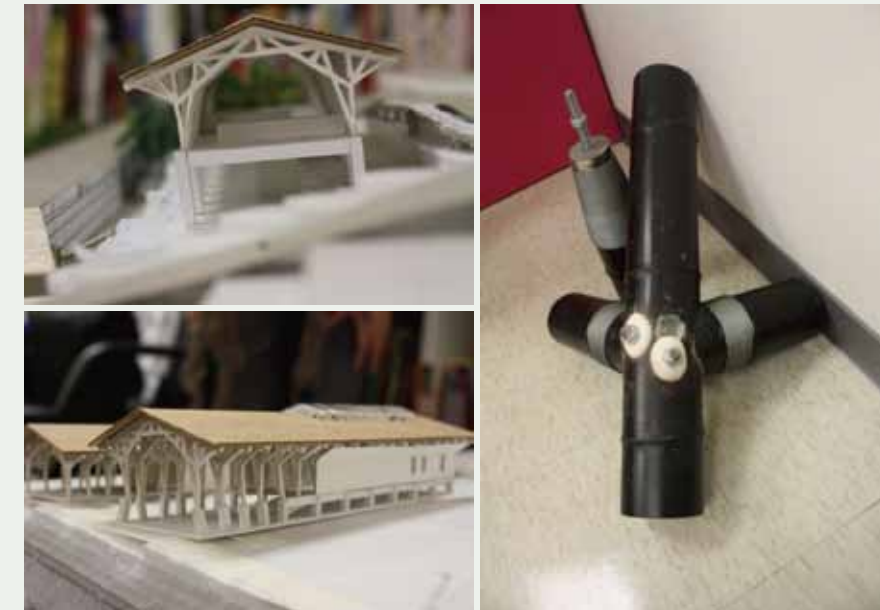
The teachers reading seminar in Taitung was held in May, and the elementary school students who suffered from a disaster or are vulnerable in Taitung were provided with a chance to experience camping in nature. By combining the knowledge of picture books and food material, children were allowed to feel the fun of reading in daily life by themselves!

C. “Rueli -The habitat of Quanta Immersed In Arts--Library set-up facilities”

We have conducted designation since 2011 and hope this can provide students and communities with a good reading, multimedia, and arts space.



The seven-day six-night designation work camp from July 10th to 16th 2011, attendants include 10 architecture, landscape, and industrial scholars, 30 architecture, design, and landscape undergraduate or graduate students, 70 teachers and students from Rueli Elementary School, and 648 residents in Rueli. We proposed the designing concept for the demands of discovering the characters of Rueli and being thoughtful to the children, and there were a total of 4 issues which were schools and education, ecological environment, industry and landscape, and literature and history, 3 recommended campus planning principles and 3 design projects for library.



Stage 3 – Quanta Immersed In Arts “Art Therapist development plan ”

There had been four study courses for four cities and counties held from January 2010 to August 2011 already, about 200 teachers attended this course.



(7/26~7/29 / Seed Teacher Training Camp in Nantou County)

Quanta Arts Foundation

– concerned with the impact of arts and culture

As a company that applies concrete action to improve human life, while upholding a human-centric corporate ideal, Quanta places art & culture as one of its core concerns.

Quanta Arts Foundation (QAF) has been paying close attention to the needs and future direction of Taiwan's performing art scene, in addition to the performing arts ecology and its development in China, Taiwan and Hong Kong. In 2011, other than managing Quanta Arts Hall and turning it into a humanistic & art cultivation base for Quanta employees and a quality performing venue for Taiwan's performing arts groups, QAF has also expanded its collaboration with external bodies -- for which a series of forward-looking and unprecedented activities are being germinated -- so as to impart an influence beyond Taiwan's performing arts scene to all of society.

I .Quanta Arts Hall – a base for deep cultivation of local culture

As a rehearsal base for group/individual creations, Quanta Arts Hall is the only professional performing hall built inside a corporate building, drawing on performing arts to provide opportunities for qualitative changes within corporate culture.

1. In 2011, a series of activities -- such as the Spring Fun Arts Festival, Mid-summer Starry Night Movie Festival, Quanta Arts Music Festival, Innovated Traditional Arts Festival, Popular Theatre, Technology & Performance Arts Festival, Black Box Theatre Festival, Special Year-End Projects and so on -- were organized hosting 22 performances, to which various arts groups, scholars and specialists were invited with partial seating reserved for adjacent primary and junior high schools, as well as social & welfare groups. Worth noting is that exhibitions and outdoor performances drew huge crowds of nearby residents. The number of community residents served in 2011 is estimated to be 9,000 in total.



Mid-summer Starry Night Movie Festival



Quanta Arts Music Festival



Innovated Traditional Arts Festival



Invited adjacent primary and junior high schools, social & welfare groups to see our shows



Multimedia dance theatre: Beyond the Pale



Symphonic Orchestra: DaDaoCheng March



Self-produced musical, The Dreamy Fallacy

2. In May 2011, the use of Quanta Arts Hall was loaned to four schools in GueiShan Township, Taoyuan County, free of charge -- Da Gang Junior High School, Wen Shing Elementary School, Wen Hua Elementary School, ChangGung Primary School -- as the joint performing venue for the '2011 DaPingDing Mother's Day Concert'.

3. Opportunities for information desk internships are offered to students from nearby universities, enabling them to enjoy job opportunities in performing arts-related activities.

II .Active Participation in Taiwan's Performing Arts Ecology Development

One of QAF's key missions is to inherit, pass on and innovate Taiwan's performing arts; through extensive contact with members from the art scene and the public sector, proactive strategies are formulated accordingly, resources invested, and impact imparted. Of all the strategies, 'Stipulation for Rewarding Creation Delegating' is one tangible way to align with Taiwan's performing arts ecology, providing a beneficial performance environment for young and creative artists. Meanwhile, relevant talent is invited to produce work for the performance program based on Quanta-initiated subjects that bear pivotal significance to the arts scene and to society as a whole; resources are also made available to set up awards and allow individuals to get involved in the assessments and selections in creation competitions.

In 2011, the list of theatre creations commissioned and completed included six pieces of work -- theatre work: La Belle Dormeuse, multimedia dance theatre: Beyond the Pale, Symphonic Orchestra: Glorious Colors, Rouged Cheeks, DaDaoCheng March, Chamber Music: Five-Word Poetry, in addition to the self-produced musical, The Dreamy Fallacy, all of which landed successful premieres. The Quanta Arts New Music Award was added to For Chai Found Music Workshop's 2011 traditional Chinese orchestra composition competition, encouraging participants to go wild with their ideas and create brand new works for traditional Chinese orchestra. The sixth Taipei Digital Arts Festival was also organized in tandem with the Taipei Digital Arts Center to host the selection scheme of the 2011 digital arts & performance, with the 'Quanta Technology & Performing Arts Award' in place to serve as an integrated multi-disciplinary platform for media arts, performing arts and visual arts.

III .Impact Expanded Outward via Collaboration

1. **Integration of Technology and Performing Arts:** June sees the unfolding of collaboration with the Council for Cultural Affairs (CCA) via the “CCA 2011 Flagship Scheme for Technology & Performing Arts Integration”, which involves a series of large-scale activities with its own exclusive website and digital newsletters, covering seven performances and four workshops/seminars.



“CCA 2011 Flagship Scheme for Technology & Performing Arts Integration”

2. **Theatre Work Produced by Quanta Theatre:** Listed as the sole sponsor for the 2011 Taipei Arts Festival, Quanta presented “The Dreamy Fallacy – a musical based on Li TaiXiang’s music”, implementing the ideal of in-depth arts-enterprise collaboration. Also included in the programming were ‘Quanta Arts Seminars’ and the ‘New Media Arts Workshop’ -- which are open to Quanta employees exclusively – one session each.



‘New Media Arts Workshop’

3. **QAF Beijing Office:** in collaboration with CCA, the objective is to establish a Cross-Strait Performing Arts Information Exchange Platform, Performance Service Platform for Performing Arts in Taiwan, Brand Promotion Platform for Performing Arts in Taiwan and Collaboration & Exhibition-Curating Platform for Cross-Strait Performing Arts.

IV . Effective Deployment of Modern Technology and Electronic Media

1. Daily updates on official website; real-time release of events information, periodical production of online broadcast of celebrity interviews;

2. ‘Penetration’ via exclusive technology & performing arts website, offering all kinds of information on technology & performing arts integration;

3. “Bravo!”, as the information exchange platform for cross-strait performing arts, serves as a platform for information circulation for the arts scene on either side of the Taiwan Strait.

4. “Quanta Arts Facebook”, the digital weekly newsletter, has released close to 120 editions with members from the performing arts scene, including scholars, specialists, students and the general public/viewers. Performing arts news is updated daily, and members are permitted to post messages, and produce and design issues/discussion topics that can be presented as audio/video media so as to expand the diversity of transmissions. “The Top 10 Performing Arts News of the Year on Internet Poll” is currently being hosted and has attracted participation from over 10,000 Internet users. With 15 performing arts groups users to date, “Quanta Arts Facebook,” has become one of the most significant media channels for immediate news updates on Taiwan’s performing arts scene.

V .Online Promotion Platform

The integrated application of Web, Facebook, Blog, Twitter, Plurk, Flickr, Youtube and Podcast has been successfully completed.

Internet Platform	Service & Impact
1. Quanta Arts Foundation (QAF) http://www.qaf.org.tw	It has been running with an official website since October 2009. Number of viewers: 56,989
2. Quanta Arts’ BLOG http://quantaarts.pixnet.net/blog	A blog set up exclusively for Quanta employees Number of viewers : 60,069
3. Quanta Arts Facebook	Target: to become <i>the</i> performing arts platform with the most immediate/real-time interactive updates. Number of fans on Facebook: 14,004 people Number of members: 2,310 people
4. Cloud AV http://www.youtube.com/user/QuantaArts	Number of channel viewings: 39,048
5. Performing Arts Photo Album http://www.flickr.com/people/quantaarts/	Number of channel viewings: 4,676 Number of photo viewings: 45,167
6. Quanta On Air (Podcast) http://www.qaf.org.tw/podcast/index.htm	Number of total hits: 1,876 Date of initiation: 03 15, 2011
7. Penetration Website http://www.2011penetration.net/index.htm	The official CCA-commissioned flagship website of the 2011 technology & performing arts integration scheme, officially in operation since May 2011. Number of viewers : 139,386
8. Bravo! http://www.bravo.net.tw/	The official CCA-commissioned website/platform for the Cross-Strait Performance Information Exchange, officially in operation since December 14, 2011. Number of viewers : 10,540
9. Bravo! Cloud AV http://www.youtube.com/user/Bravoquanta	Total number of viewers for uploaded video: 117 Dates of initiation: 12 21, 2011
10. Bravo! Facebook https://www.facebook.com/bravonettaiwan	Target: to become the cross-strait performing arts information platform with the most immediate / real-time updates. Dates of initiation: 12 13, 2011 Number of fans on Facebook: 284 people

“Heart”: the soul of Quanta efforts for Social Caring

Green at Quanta

“Green Quanta” Tree Plantation (12 March 2011/QSMC)

Department managers and members of the Charity Club grew the tree of hope in open air behind the F5 plant to stimulate the environmental protection consciousness and eco-awareness of employees and to express our concern about earth.



“Make Our Home Green and Beautify the Environment” tree plantation activity held by the Hand-by-Hand Club (11 March 2011/northwest of the living area at CSMC LD)



One-Hundred-Day Plastic Garbage Cleanup (June 2011/around the living area)

To respond to the call of the local government, we recruited environmental guards in the living area to clean up the white garbage (plastic garbage) around the living area. As the cleanup action was quite effective, we won commendation from external organizations.



Happiness and Gracefulness Campaign (24 November 2011 / QSMC)

Help clean the industrial park and hand out pamphlets to advocate planet friendliness by not littering carelessly, being environment friendly and saving resources.



“Beautiful Our Home Together” Hi-Tech Industrial Park Environmental Cleanup Cultural Show (September 2011, High-Tech Industrial Park Management Committee)

At the event, we encouraged all employees to increase their awareness of environmental protection.



Respect for the Elderly at Quanta

“To Seniors with Love” went to Songjiang Welfare Home in Shanghai (26 February 2011)

To extend our concern about the elderly, we visited senior citizens living in a welfare home. At the event, we presented the senior citizens with daily necessities, Quanta journals, and great performances. Looking at the smile on their faces, we felt happy and fulfilled.



Love at the Dragon Boat Festival: Walking in to the Yushan Elderly Home (28 May 2011/Yushan Elderly Home, Changshou City, Jiangsu Province)

Respect the elderly and love the elderly are ways to keep the ageing part of the culture, and the transcendence of humanity. Therefore, we expressed our love and concern for the elderly in real action.



Love at the Dragon Boat Festival: Walking in to Yehxie (2 June 2011)

Professional hairdressers gave free hairdressing service, medical personnel provided free blood pressure measuring and health consultation services, and club members presented great performances to let the elderly feel that they were loved and cared about.



Charity with Fun: Walling in to Xinqiao Elderly Home (30 October 2011)

At the event, we provided healthcare services, hairdressing services, performances, fruit, daily necessities, and Quanta journals. On the event day, the director and leader waited for the arrival of the Charity Club at the entrance of the elderly home.



Care for the Young at Quanta

Visit to the Children's Welfare Home (28 April 2011)

At the event, we provided shows, free hairdressing, sweets, and hand-by-hand games for the children there. We also donated three DVD players and daily necessities to the welfare home. Children there have speech problems, particularly articulation. However, they did their best in the show and finished every song and poem. We were really deeply touched. Director Chen expressed appreciation for Quanta support and assistance.



Fun with Children (28 August 2011)

Before the school began, we prepared a wonderful show for the children of workers and played with them. Also, we presented them stationery to bring them happiness.



Visit to Anqi Workers' Dependent's School (21 May 2011/Changshou City Red Cross and Colorful Mobile Fund-Raising Project Department)

We visited the school and donated stationery and small gifts to students there.



Visit to Heilongjiang: Care for the Underprivileged Children (20 September 2011)

There were 160 students at Shuguang Elementary School. In this mission, we travelled to Heilongjiang to give them desks, stationery, sports goods, and our blessings on behalf of the company.



Charity at Quanta

Blood Donation (6 April 2011/Changshou City Blood Donation Station)

As the blood bank had a blood shortage, we called employees to donate blood at the LD dormitory area. On that day, more than 50 employees answered the call. In 2011, a total of 539 CSMC employees donated a total of 137,200ml of blood.



Love Without Boundary (29 May 2011/Yueyang Square)

In order to let the public understand more about charity, we organized the Charity Club publicity (understand more and better about the Charity Club and join the club), charity sale (raise charity fund to help those who are in need in society), charity donation, QSMC cultural corridor (understand more and better about the culture and humanitarian concerns of Quanta), charity shows and charity gifts.



QSMC Charity Week: Walk Beside You, Give You Smile, Serve You (25 July 2011)

“Charity from Oneself”: On the living site, the plant site, and all public areas, we removed advertisements, cleaned up the environment, and tidied up the library. At the newcomer dormitory, we visited new employees, helped them clean up their beds, and listened to them.



Charity Act for Permanence

QSMC sets a charity sale booth at the holiday mark every month. There was income from the charity sale and donations. By November 2011, we raised a sum of RMB53,962. The sum was spent on colleagues and also society who were in need.

Localization at Quanta

“Meet at University City” Show (4 December 2011/QCMC)

Quanta set up a new plant in Chongqing in 2011 next to the Chongqing University City. In order to broaden the vision of employees and to let local students understand more and better about QCMC, we organized the Meet at University City show in collaboration with the Chongqing University Committee of the Communist Youth League of China based on the theme of “New Model for Academy-Industry Cooperation” to welcome people from all parts of society with a heart of development and innovation.



Appendix GRI-G3.1 (Global Reporting Initiative) Table

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